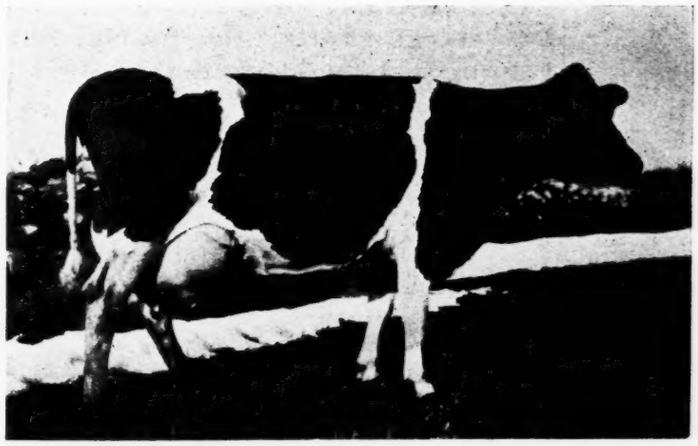
HOLSTEIN-FRIESIAN WORLD

Vol. VI. ITHACA, NEW YORK, FEBRUARY 22, 1909. No. 4



DAISY PAULINE 2ND 52112.
A. R. O. as a 6-year-old, 419.7 lbs. milk, 22.19 lbs. butter.
As a 7-year-old, 440.9 lbs. milk, 25.15 lbs. butter in 7 days; 896.1 lbs. milk, 40.22 lbs. butter in 14 days.
Owned by John Arfmann, Middletown, N. Y.

THE BLOOMINGDALE HERD

Is the Home of Over One Hundred Head of Registered Holstein-Friesian Cattle

Anyone Wishing to Buy an Extra Quality of High-Class Holsteins of Either Sex

Or any age will be able to select from this herd something that will please him both in quality and price.

A. A. CORTELYOU, Somerville, N. J.

Breeders' Directory.

Your herd published in this directory at $1.00 per year.

ILLINOIS.

Apiary Farm — Holsteins. N. A. Kluck, Route 4, Lena, Ill.

MASSACHUSETTS.

Edgelake Farm Herd, B. W. Potter & Son, Rutland, Worcester county.

Highlawn Farm Herd, F. P. Knowles, Auburn, Worcester county.

MICHIGAN.

Sexton's Herd, W. K. Sexton, Howell, Livingston county.

MISSOURI.

Grand River Herd, B. L. Bean, Cameron, Clinton county.

Hillcrest Farm Herd, Geo. C. Mosher, Kansas City, Jackson county.

NEBRASKA.

Rock Brook Farm, H. C. Glissman, Sta. B. R. F. D., Omaha.

NEW JERSEY.

Bloomingdale Herd, A. A. Cortelyou, Somerville, Somerset county.

Gem Herd, Holsteins, J. G. Drake, Somerville, Somerset county.

NEW YORK.

C. H. Young, R. D. No. 2, Mt. Vision, Otsego Co., N. Y.

Linden Ledge Herd, Madison Cooper, Watertown, N. Y.

Fly Brook Herd, C. A. Talbot, Edmeston, Otsego county.

Sunrise Herd, Ralph Corbin, Bainbridge, Chenango county.

Corning Herd, L. H. Corning, Cortland Cortland county.

Davis Brothers' Herd, Davis Bros., Clifford, Oswego county.

C. F. Corey, Pennellville, Oswego county, N. Y.

Maple Lawn Herd, Lawrence L. Grow, Ft. Jackson, St. Lawrence county.

Pleasant Valley Stock Farm, C. F. Hunt, Manlius, Onondaga county.

Lewis's Herd, Harris Lewis, Norwich, Chenango county.

White Spring Farm, D. E. Carley, Lisle, Broome county.

Pleasant View Farm Herd, J. A. Stanton, New Woodstock, Madison county.

Brookside-Moyerdale Herd, The Stevens Brothers-Hastings Co., Lacona.

Cloverlands Farm Herd, E. M. West, Reber, Essex county.

Otselic Stock Farm, Isaac Dalrymple, Otselic, Chenango county.

Oakland Herd, H.-F. Cattle, T. A. Mitchell, Weedsport, Cayuga county.

PENNSYLVANIA.

Springdale Herd, H. M. Lyon & Sons, Wyalusing, Braford county.

Spring Brook Stock Farm, Walter M. Cruttenden, Mansfield, Pa.

Riverside Farm Herd, J. G. Kerrick, Towanda, Bradford Co., Pa.

H. F. Cattle, Shropshire Sheep, Chester White swine.

VIRGINIA.

Hygeia Herd, W. Fitzhugh Carter, M. D., owner. Address W. F. Carter, Jr., agent, Crozet, Albemarle county.

VERMONT.

Cloverdale Farm Herd, J. G. White & Son, Brandon, Rutland county.

Marble Valley Herd, J. H. Mead & Son, West Rutland, Rutland county.

HOW ABOUT THIS

The trouble with your herd is that your cows are giving milk too poor in butter fat and you must do something to improve it The best way is to get a Rockdale Holstein Bull that is sure to do it and not decrease the annual yield of milk, as they are bred for that purpose. Almost all the high milk and butter records since her day have been made by Descendants of DeKol 2nd, the greatest cow of the breed. Every Rockdale Holstein is descended from DeKol 2nd, through both sire and dam. The Great Lord Netherland DeKol, senior bull of Rockdale Herd has over 80 A. R. O daughters and over 40 sons and daughters that have A. R. O. daughters He has more daughters that average 4 per cent. and 4.5 per cent. than any Holstein sire and every A. R. O. daughter but one has beaten her dam, showing his wonderful power of transmission. Only one son and two grandsons left for sale that are old enough for service and they are beauties; or you can get a bull calf for less money that will soon be available. When you get a bull, get a good one; it is cheapest in the end. It is the only way to improve your herd. Write for particulars and prices to

ROCKDALE FARM, BREWSTER, NEW YORK

FAIRVIEW FARM HOLSTEINS

Another member of Dichter family makes great record. Vadora Mercedes Erva, No. 96167, makes A. R. O. record better than 20 lbs. butter in 7 days as a junior 2-year-old. Bull born Nov. 11th, 1907, Prince Dichter Vadora No. 55063, carries 75 per cent same blood as above heifer; About three-tourths white, handsomely marked, and a fine individual; ready for immediate service. Send for pedigre, or better come and see him.

O. J. GODFREY & CO **Pennellville, Oswego Co., N. Y.**

Sires at the Stevens Herd of Holsteins

DeKol 2d's Butter Boy 3d, the sire of 56 A. R. O. daughters. This is more tuan any other bull of his age.

LOOK HIM UP IN THE BLUE BOOK.

The greatest aged s re in active service. Our herd contains 32 of his daughters.

Karel Bos (Imp.), whose dam and granddam have the largest authenticated records ever made in Holland. A young bull of great individual merit and whose progeny are very promising.

The best imported bull in Ame·ica. We have 15 of his daughters.

Korndyke Butter Boy, a son of Korndyke Queen De Kol and De Kol 2d's Butter Boy 3d. The seven nearest tested dams in his pedigree have official records averaging over 26 lbs. butter in 7 days.

The closest possible combination of the Korndyke De Kol and Hengerveld families, the families that have produced the greatest sires of the breed. A show bull in every sense of the word.

Our herd numbers 165 head. Our stables are crowded and if you want some good stuff at re·sonable prices, wirte or come and look us over. Nearly all the females in the herd of breeding age are bred to the above bhlls.

Henry Stevens & Son,

Brookside Stock Farm, - Lacona, N. Y.

The Holstein-Friesian World

IS PRINTED BY

ATKINSON & MITCHELL

PUBLISHERS OF

The Ithaca Chronicle and Printers of The Cornell Daily Sun and The Cornell Alumni News

UNION LABEL

GENERAL JOB PRINTING

122 South Tioga St. - - - - - - Ithaca, N. Y.

Holstein-Friesian World

VOL. VI. : ITHACA, N. Y., FEBRUARY 22, 1909. No. 4.

CONTENTS

Frontispiece—Daisy Pauline 2d 52112.
Breeders' Directory 54
H.-F. Association Directory..... 55
Inbreeding 55
A Model Dairy 55
The Holstein-Friesian Breeders' Club of New York..... 56
A Cow Worth Having..... 56
Notice of Meeting 56
Second Annual Meeting of the Ohio H.-F. Association 56
Report of the Syracuse Sale..... 57
Field Notes 59
Notice 59
Mr. Benninger of Benningers..... 59
Editorials:
What Is Milk of a Superior Quality?'' 60
New Advertisements 61
Proceedings of the Annual Meeting of the H.-F. A. of Canada..... 62
Official Records of Holstein-Friesian Cows—Jan. 12-25..... 64
Summary of Official Records..... 66
Breeders' Bulletin Board:
Fairview Farm 67
A Great Bull Born in the Lakeside Herd 67
The Hetts Holstein Co. Sell Blacks and Whites at Good Prices 67
Poem—Geographic Sweetheart 68
Tests Conducted in the Dept. of Animal Husbandry, C. U..... 68

HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA.

DIRECTORY.

President,
O. U. KELLOGG, Cortland, N. Y.
First Vice-President,
W. A. MATTESON, Utica, N. Y.
Second Vice-President,
WILLIAM EVERSON, Lake Mills, Wis.
Third Vice-President,
W. F. SCHILLING, Northfield, Minn.
Fourth Vice-President,
F. P. KNOWLES, Auburn, Mass.
Treasurer,
WING R. SMITH, Syracuse, N. Y.
Secretary,
FREDERICK L. HOUGHTON, Brattleboro, Vt.
Superintendent of Advanced Registry,
MALCOLM H. GARDNER, Delavan, Wis.
Directors,
ISAAC DALRYMPLE, Otselic, N. Y.
J. N. CONYNGHAM, Wilkes Barre, Pa.
W. B. BARNEY, Hampton, Ia.
FRED F. FIELD, Brocton, Mass.
ALBERT FRENCH, Cincinnati, Ohio.
S. B. JONES, Watertown, Wis.
Fees for Registry:
Members' Fees, Males, $2.00; Females, $1.00; Males over one year of age, $4.00; Females over one year of age, $2.00.
Non-Members' Fees, Males, $4.00; Females, $2.00; Males over one year of age, $8.00; Females over one year of age, $4.00.
Fees for Transfers:
Members' Fees, 25 cents; after six months from date of sale, 50 cents.
Non-Members' Fees, 50 cents; after six months from date of sale, $1.00.
Life Membership $25.
Advanced Registry and Official Testing in charge of superintendent as above.

INBREEDING.

By C. H. VanAuken, Asst. in Animal Husbandry, Cornell College of Agriculture.

By "inbreeding" we mean the breeding together of animals closely related, i. e., of close consanguinity. Its purpose, as employed in the breeding of domestic animals is to intensify and perpetuate certain desired characteristics. Inbreeding was carried on in Bates' and Collings' time. These men practiced it in improving the Short Horn cattle and met with such success that their fame as cattle breeders became firmly established.

Inbreeding should be employed only with extremely vigorous animals because it tends to intensify defects as well as desirable qualities.

The chief evils that accompany inbreeding are decrease in size, constitutional vigor and fertility. Among fowls the Sebright bantams were so inbred by their originator that they became almost sterile. These evil effects are not likely to occur before the fourth generation of inbreeding.

Illustrations of the evil effects of inbreeding are shown by the various herds of wild cattle that are kept in large parks in Great Britain. At the beginning of the last century there were at least seven herds; now more than half the number are gone. However, some of these herds had been kept enclosed in these parks for over five hundred years, without having had an infusion of new blood. The most notable of these herds, the one in Chillingham Park, has been there for about seven hundred years.

Some men claim that changing the climatical conditions and the soil will do nearly as much toward correcting the evils resulting from inbreeding as the introduction of new blood.

Line breeding may be spoken of in this same connection as it means the breeding of individuals having very similar blood, but not necessarily as closely related as sire and daughter, or dam and son.

The object of line breeding is to intensify and make prepotent good qualities. The evil effects from line breeding are the same as those from close inbreeding, although they are not likely to appear so soon or in so marked a degree as in the case of close inbreedin.

Line breeding is usually beneficial for a time but it should not be carried too far, as there is great danger, as in inbreeding, that it will intensify defects, as well as useful qualities.

The evils resulting from line breeding or inbreeding that have been carried on for too long a time may in part be remedied by the judicial introduction of an out-cross or a number of out-crosses, carefully made. By an out-cross we mean the introduction of a sire into the herd which is not at all related to the females though it may belong to the same breed. It may also mean crossing high grade of pure bred females with a male of another breed.

While animals that are line bred or inbred for a long period of time, may produce an occasional animal of the highest standard, it is doubtful if they produce as many as pure bred animals of mixed breeding.

Close inbreeding shoul not be adopted by those who do not thoroughly understand it. Its limited application may be made an advantage to the expert breeder, but it is liable to become a disadvantage to the inexperienced breeder. When animals are wisely selected desirable characteristics will generally be secured and permanently transmitted by a period of inbreeding; but if the animals are unwisely selected, then the undesirable characters wil appear to such an extent as to discourage the breeder. Defects may be present but not readily apparent to the eye, and if they are present they become intensified by inbreeding.

A MODEL DAIRY.

The Gazette man had the pleasure on Saturday of visiting Hillcrest Farm near Chester, where Harry B. Davis is making a specialty of breeding Holstein-Friesian cattle for the market. Mr. Davis and his cousin, Howard D. Seely, of Maple Knoll Farm, between Chester and Goshen, have interests in common and are making a success in their line of breeding. At Hillcrest the dairy barn has been recently enlarged by the addition of 14 feet on one end and 18 feet on the other. The stables have concrete and cedar floors and the side walls are of concrete blocks and 9 feet in heighth, the 38 stanchions are of the latest style and allow the cows to assume perfectly natural positions. The Southern face of the stable is provided with twelve large windows at the top of which a glass transom is fitted and can be regulated to incline at any angle to insure an adequate

supply of fresh air. The walls and ceilings are thickly covered with whitewash which aids in maintaining a thoroughly sanitary condition. The dairy now consists of a high-priced (registered) Holstein-Friesian bull and fifty-nine cows, which includes a number of heifer calves and yearlings. The dairy is being tested as to quantity and quality of the milk produced by a representative of the State Experiment Station at Cornell University. During this test the cows are fed all they will eat of a standard balanced ration, which is carefully weighed, and are milked every six hours, night and day, for a week. The milk from this dairy is sold to Lawrence's creamery at Chester, and is made into cheese. Pure milk to the value of $100 per month, however, is fed to the young calves. Several of the cows have records of 50 pounds of milk per day, and one heifer has a record of 15 pounds of butter in seven days. A few months ago Mr. Davis sold a 13-month-old bull for $250 and sales at good figure are being made nearly every week.—Ramapo Valley Gazette.

THE HOLSTEIN-FRIESIAN BREEDERS' CLUB OF NEW YORK.

Office of the Secretary
37-38 Wieting Block.
Syracuse, N. Y., Feb. 16, 1909.

Dear Sir:—The Club has been cordially invited to go to Ithaca for Farmers' Week at Cornell University, and believing that it will be a rare treat which will be enjoyed by the members of the Club, the officers have decided to call a meeting there on Wednesday, February 24th. Mr. Edward H. Marshall, proprietor of the Starlard Farms, and a Holstein breeder, invites the Club to meet at his farm near Ithaca, and to look over his herd and his certified milk plant, to lunch with him and then be driven to the University, inasmuch as nearly the whole week will be taken up in the instruction and entertainment of farmers we have chosen Wednesday and Thursday as the days of most interest to the members of our Club, as on Wednesday afternoon the cow judging takes place, which will interest all; also a large corn exhibit, evening lecture on fruit, horse scoring, scoring of milk delivery rigs, and many other interesting features. Rooms may be had for $1.00 each and up. The regular fare to Ithaca is $1.45, and the same to return, but we hope for reduced rates, arrangements for which are under way. Train leaves Syracuse, 7:15 A. M., on Auburn branch of N. Y. C. & H. R. R.; Solvay, 7:23; Camillus, 7:32. It is hoped that all who can will take this train, but you may come later if necessary. This is a chance of a life time to see the greatest university in the United States; to see the beautiful city of Ithaca; to meet the most progressive and practical farmers in the State; to listen to the words of eminent professors; to personally make the acquaintance of many of the greatest agriculturists of the day. Take two days off and come along and we will have a good and profitable time at a slight expense.

Yours truly,
WING R. SMITH,
Secretary.

A COW WORTH HAVING.

Mr. W. Q. Dale, a dairyman in Stanislaus County, has a cow that he can justly be proud of. She is a thoroughbred Holstein and goes by the name of Escuedos De Kol and has had her second calf. With her first calf she made such a good showing that Mr. Dale decided to keep close track of her work during her second lactation by weighing and testing her milk regularly. One hundred days having passed since she came fresh, Mr. Dale reports that during this time she gave 6,744 pounds of milk containing 216 pounds of fat. The highest yield of milk for one day was 76 pounds.

Mr. Dale received for the butterfat produced by Escuedos De Kol in these hundred days $94.42. He values the skim milk for the same period at $6.00; so that the cow has practically earned for her owner one dollar a day gross and in addition gave him a calf that he sold for $75.00. But the most remarkable thing about this showing is that it was made on a hay ration. No grass or grain having been fed. It seems to take a Holstein cow to change alfalfa hay into dollars.—Pacific Dairy Review.

NOTICE OF MEETING.

The Saint Lawrence H.-F. Club meets at Morristown, N. Y., for their next meeting. A two-session meeting is to be held one in the afternoon and one in the evening. The president of the State Breeders' Club is expected to be present and deliver a stirring address. Secretary Harry Mason S. Knox will show the lantern slides belonging to the club at the evening session. The president of the Club, E. H. Dollar, will come on from his active Farmers' Institute work and be with the Club for this meeting to do all he can to further the good work.

HARRY MASON KNOX.

P. S.—Mr. E. H. Dollar of Fairview Stock Farm is out doing active work with the New York State Farmers' Institute force. This is new work for Mr. Dollar and the force like his work. They say he makes a good all-around man. His specialty is dairying and the different phases of it. Such practical and successful men as Mr. Dollar has proven himself to be are wanted on the Institute force. Mr. Dollar went out at a great sacrifice to his home business; but felt it was a call to duty and so went.—H. M. K.

SECOND ANNUAL MEETING OF THE OHIO HOLSTEIN-FRIESIAN ASSOCIATION.

Editor H. F. World:

The second annual meeting of the Ohio Holstein-Friesian Association was held Feb. 3rd, according to program previously arranged, the president Eldon F. Smith, presiding.

The treasurer's report showed receipts for the year $135.00, expenditures $87.10, leaving a surplus of $47.90, not including the expense of Gen. C. W. Wood's lecture which was raised by private subscription. Officers for the ensuing year were elected as follows: President, Albert French, Lebanon; First Vice President, Dr. P. H. Sigrist, New Philadelphia; Second Vice President, Jonas Derrer, Camp Chase; Third Vice President, Alfred G. Wessling, Kenton. Board of Directors for a term of three years: Eldon F. Smith, Columbus; J. R. Ross, Blanchester; Hon. E. S. Wertz, Wooster; to fill vacancy caused by the death of Wesley Purdum, an unexpired term of three years, Dr. J. A. Davison, Dayton, was chosen. A. G. Byers, Westerville, was elected Secretary-Treasurer, salary $25.00 per year.

During the year past effort was made to secure assistance from the National Holstein-Friesian Association in procuring speakers capable of placing the merits of the breed properly before the public; but, owing to the fact that "no provision had ever been made for such work," aid was not granted. We trust that the National Association will see the advantage of making provision for work along this line.

Gen. Wood's lecture was given in the Board of Trade Auditorium to an audience of several hundred people. Over a hundred stereopticon views of noted Holstein-Friesian cattle were shown. To some the showing of so many views becomes a trifle monotonous. There is, however, one advantage, people get the impression that all H. F. Cattle are famous. The following afternoon before the Ohio Dairymen's Association in the O. S. U. Chapel, Gen. Wood again presented the Holstein-Friesian cow and her relation to dairying. The annual report of the Ohio Dairymen's Meeting when published will contain all the speeches

made, and copies of this report can be had on application to Prof. Oscar Erf, Secretary, O. S. U., Columbus, Ohio. On Friday evening in parlor B of the Chittenden Hotel our organization held a reception and banquet in honor of Gen. Wood.

The Holstein-Friesian interests of Ohio are in good condition, and with the continued generous support of our Association, we will be able to keep the Black and Whites in the first place where they belong. Our association is now one year old and has 110 members. The membership fee is $1.00, and every owner of full-blood or grade Holsteins and everyone interested in the breed is eligible. A folder which shall contain name and address of each member, together with the number of cattle owned, is being prepared. All who intend to join should do so now in order that their names and herds may appear in the list.

The Holstein-Friesian Association of America has appropriated $100 for special prizes at the Ohio State Fair, 1909, and we desire to say to those owning good specimens of the breed, come out and show them at the fair. Last year we had a larger exhibition than was shown of any other breed. If you do not get a premium, you will get a lot of valuable schooling which cannot be obtained elsewhere.

A. G. BYERS,
Secretary.

REPORT OF THE SYRACUSE SALE, FEB. 17-18.

Lack of time prevents our giving a detailed summary of results, but a complete list of sales is presented, and each reader can summarize for himself. Suffice it to say, all things considered, it was a remarkably good sale.

Consigned by Davis Bros., Clifford, N. Y.

Sir Clyde Urmera, B calf, W. J. & P. Atkinson, Boardman, Conn...$ 85
Sir Admiral Heng. De Kol, B. calf, F. P. Sutliff, Cleveland, O..... 125
Pearl Empress Heng., B. calf, R. E. Coe & Son, Kirkville, N. Y..... 100
Burke Pontiac, 1 y., C. H. Fitch & Son, Burlington Flats 150
Beatus Pontiac, 1 y., R. E. Coe & Son 155
Pauline Pontiac, 1 y., R. E. Coe & son 150
Aaggie Pontiac, 1 y., C. H. Fitch & Son 160
Heng. Von Etten Clyde, 1 y., W. S. Hinchey, Rochester, N. Y..... 85
Lotta Clyde, 1 y., E. M. Little, Omaha, Neb. 150
Belle Shadeland Clyde, 1 y., Elsworth & Stevens, Wyalusing, Pa. 155
Belle Sprig Clyde, 1 y., V. S. Mansfield, Chesterfield, O. 125
Clycola Clyde, 1 y., F. P. Sutliff.. 105
Valley Clyde, 1 y., E. N. Wright, Burlington Flats, N. Y..... 130
Vall Clyde, 1 y., E. M. Little..... 100
Valley, 3 y., F. D. Matson, Holley, N. Y. 265
Maud Hengerveld Piet., 3 y., A. J. Kraff, Pompey, N. Y..... 135
Maid of Steuben, 3 y., F. C. Overton, Adams, N. Y..... 200
Imperial De Kol Lilith, 3 y., F. A. Pangburn, Pennellville, N. Y... 185
Lilith De Kol Volga 2 y., F. A. Pangburn 140
May Piet. De Kol Neta, 3 y., Elsworth & Stevens 200
Maplecroft De Kol Perfection Maid, 6 y., R. E. Coe..... 155

Consigned by John Arfmann, Middletown, N. Y.

Daisy Pauline Paul 2d, 8 y., F. Raycroft, ... 365
Fairmont Allie Nig, 1 y., E. J. Arnold, Moravia, N. Y..... 185
Nancy Echo De Kol, 4 y., Robt. Caveney, Walworth, N. Y..... 200
Pauline Ononis Jewel, 3 y., R. W. Forrestall, Alstead, N. H. 140
Calf, V. S. Mansfield 110
Pet Douglas 2d, 6 y., F. C. Overton 275
Calf, W. J. & P. Atkinson..... 150
Alkamar De Kol 7 y., Jarvis Bros., Fly Creek, N. Y..... 250
Lady De Kol of Hillcrest, 4 y., J. W. Prentiss, Walpole, N. H... 185
Aaggie Neth. Mechthilde, 5 y., C. D. Thomas, Herkimer, N. Y..... 435
B. calf, C. Howell, Howells, N. Y.. 200
Pauline Mercedes, 6 y., B. Meyer, Finderne, N. J. 325
Fairmont Mercedes De Kol, 1 y., J. V. Taylor, Wyalusing, Pa..... 150
Calf, Elsworth & Stevens..... 145

Consigned by Lawrence L. Grow, Ft. Jackson, N. Y.

Rosebud De Kol, 8 v., Lee Hunter, Moravia, N. Y. 165
Lady Neth. Hengerveld, 7 y., F. A. Pangburn 165
Neth. La Polka Johanna Queen, 5 y., Elsworth & Stevens 300
Kolista Johanna Girl, 1 y., J. A. Clute, Watkins, N. Y..... 155
Duke Johanna Heng., B. 1 y., J. D. Sanderson, Pulaski, N. Y..... 180
Kol Dora, 3 y., T. D. Matson..... 105
Kol Ettie, 5 y., J. Arfmann..... 155
Ethel Pride De Kol, 5 y., F. P. Sutliff 185
Ethel Pledge De Kol, 4 y., F. P. Sutliff 150
Pride Pledge De Kol, 9 y., R. R. Wilcox, Moravia, N. Y..... 155
Belmont Yanko Pauline, 1 y., J. A. Clute 130

W. Judson Smoth Est., Syracuse, N. Y.

Ophelia Pauline 2d, 8 y., E. M. Little 145
Ophelia Pauline Clothilde, 3 y., Stevens Bros. H. Co., Liverpool, N. Y. 190
Neth. Magis 5th, 9 y., H. S. Kenyon. Marcellus, N. Y..... 125
Neth. Magic 5th Pauline, 1 y., V. S. Mansfield 110
Piet. Pauline Magic, calf, E. M. Little 160
Bianca Clothilde De Kol, 2 y., H. S. Kenyon 75
Bianca Pauline, W. J. & P. Atkinson 105
B. calf, J. W. Prentiss 20
Mutual Piet. Maid, 3 y., J. W. Prentiss 190
Calf, E. A. Rodwell, Holley, N. Y. 95

Consigned by Sanford R. Clark, Onondaga Valley, N. Y.

De Kol Calamity Jane, 8 y., R. Caveney 120
Sir Lilith Pauline De Kol Burke, B. calf, Elsworth & Stevens.... 75
De Kol Burke Neth., 1 y., J. V. Taylor 70
Countess De Kol Lilith, 1 y., V. S. Mansfield 95
Princess Yetive, 4 y., D. D. Aitkin, Flint, Mich. 200
Calf, Lewis Cornue, Fabius, N. Y.. 20
B. calf, S. Haggett, Jordan, N. Y.. 30
B. calf, E. M. Little 100
Pauline Piet. Diona, 4 y., G. T. Tuckerman, Cassville, N. Y..... 180
Goldie Pride, 3 y., E. M. Little... 150
Lilith Posh De Kol Burke, calf, J. Arfmann 100
Wayne De Kol Aegis, 4 y., F. P. Sutliff, ... 185
Segis Pontiac Helena Burke, 1y., W. P. Hall, Hannible, ... 170
Segis Pontiac Calamity Jane, 1 y., W. A. Carr, Tully, N. Y. 165
B. calf Stephen Chase, Lamson, N. Y. 55

Consigned by Cristiani Bros., Red Bank, N. J.

Mildred Conc. De Kol Burke 4 y., J. Phillip, Fabius, N. Y. 65
Friesland Mutual De Kol Pauline 2d, 4 y., F. P. Sutliff 115
Natsey Simmons, 8 y., F. Raycroft 120
Daisy De Kol Wilber, 6 y., F. R. Hazard, Syracuse, N. Y..... 75
Calf, J. W. Prentiss 15
Dora Tilly De Kol, 4 y., Myers & Peck, Unadilla, N. Y..... 100

Consigned by J. G. Drake, Somerville, N. J.

Gem Concordia & H. calf, 3 y., Myers & Peck 180
Witch Hazel Sadie Vale Concordia, 2 y., W. D. Martin, Delevan, N. Y. 160
Beauty Sadie Vale Concordia, 2 y., Stevens Bros. 150
Lucy Sadie Vale Concordia, 2 y., J. V. Taylor 150
De Kol Sadie Vale Concordia, 2 y., G. M. Bull, Slaterville Springs.. 130
Amleto Duchess, 4 y., F. P. Sutliff 130
Amleto Duchess Koningen, 2 y., F. P. Sutliff 65
Gem De Kol Spofford Koningen, 2 y., J. W. Prentiss..... 120
Fan Tan De Kol Piet, 6 y., M. Wilcox 135
Lilith Koningen Pauline, 2 y., R. W. Henson, Geneva, N. Y..... 125
Lilith Pauline Piet., 2 y., E. M. Little 125
Bredwell Heng. Johanna, 4 y., H. A. Kraft 145
Sunnybrook De Kol Princess, 3 y., D. D. Aitkin 115
Calf, L. Hunter 25
Gem Pauline Lilith 2d, 1 y., W. S. Hinchey 95
Princess Wayne De Kol Texel 2d, 1 y., F. W. Scott, Granville..... 95
Clothilde Roxy Beauty, 5 y., F. P. Sutliff 160
Von Honngen Neth. De Kol, 5 y., J. R. Williamson, Lexington, Ky. 155
Pauline Clothilde Sarcastic, 5 y., D. D. Aitkin 165
Neta Paul Mutual Burke, 3 y., Q. McAdam, Utica, N. Y..... 175
Gem Netherland Wayne De Kol, Calf, E. P. Sutliff 150

Holsteins of the highest class at low prices for quality. We aim to please each and every customer. . .

Holsteins
Greenwood Herd

Prince Ybma Spofford
at the head of herd; his dam and sire's dam average 28.20 lbs. butter in 7 days, 97 lbs. milk each in 1 day, 88 lbs. each per day for 30 days.
Best on record age considered.

We are in position to offer 2 young bulls 9 mo. old, ready for immediate service, by PRINCE YBMA SPOFFORD, dams with large A. R. O. records, one a 16.16 lb. two year old; another from a 20.75 lb. three year old, 90 days after calving. We look for 26 lbs. or better at next test. These fellows are of *good size, straight as a line, beautifully marked and perfect in every way.* A few younger bulls from dams with records reaching 25.19 to over 30 lbs. butter in 7 days. You will have to look a long time to find their equal in individuality and breeding.

SPOFFORD and JOHANNA heifers in calf to the only son of BETTA LYONS NETHERLAND (34 lb. at 4 yrs. old) to freshen during fall and winter months at moderate prices for quality. We have in store a surprise for the "Holstein World" readers. *Something that has no equal.*

Write us and secure some of the best breed, sure to double in value a little later on.

The grandsons of "BETTA LYONS" are here awaiting your orders.

E. H. KNAPP & SON Greenwood Stock Farm **Fabius, N. Y.**

Consigned by J. H. & H. S. Hopkins, Brooklyn, N. Y.
Lady Neiboer, 4 y., H. L. Bronson, Cortland, N. Y. 100
B. calf, Rivenburgh Bros., Oneida, N. Y. 30
Hartog Clothinde Mechthilde, 2 y., J. V. Taylor 105
Segis Inka Hartog, 1 y., E. M. Little, ... 100
Finesse Korndylisk 3d., 4 y., F. Raycroft 135
Calf, L. S. Mapes, Chesterland, O.. 55
Koriah 4th, 4 y., F. A. Pangburn.. 70
Korndyke Lass, 4 y., F. R. Hazard 120

Consigned by G. F. Blewer, Newark Valley, N. Y.
Homestead Ormsby De Kol, 3 y., V. S. Mansfield 205
Genesta Colantha De Kol 2d, 3 y., F. P. Sutliff 125
Mechthilde Mercedes De Kol 2d, 2 y., F. P. Sutliff 115
Calf, A. Miller, Ft. Plain, N. Y... 20
Lady Echo De Kol Ormsby, 2y., J. W. Prentiss 150
Tehee Glitka De Kol Ormsby, 1 y., E. Mackesy, Phoenix, N. Y..... 175
Tehee Pontiac De Kol, B. calf, M. G. Spooner, Solsville, N. Y..... 105
Riverview Briems, 9 y., D. A. Holbridge, W. Burlington, N. Y..... 150
Dina Sala's Jewel Pauline, 4 y., D. D. Aitkin 160

Consigned by C. S. Fisk Syracuse N. Y.
Millie Jewel Piet., 10 y., D. A. Holbridge 100
Millie Johannie Rue, 5 y., B. Meyer 135

Consigned by W. H. Carrier, Phoenix, N. Y.
Lilith Pauline De Kol Beauty, 5 y., L. S. Mapes 90
Forum Rosette, 3 y., J. A. Ritchie, Potsdam, N. Y..... 55
Mercedes Pietertje Witkop, 7 y., H. S. Kenyon 75
Mercedes Piet. Artis, 2 y., F. P. Sutliff 85
Rouble Pietertje De Kol Count, B. 2 y., J. A. Richie 40

Consigned by H. S. Gordon Est., Kerkhonkson, N. Y.
Prince of Highlawn B. 4y., Stanley Milroad, Lexington, Ky..... 150
Gordon Glen Pontiac, B. 2 y., B. Meyer 360
America Jewell, 9 y., V. S. Mansfield 110
Antje Concordia De Kol, 3 y., L. J. Carrier,..... 95
Kuperus 6th, 3 y., F. Raycroft.... 160
Queen Cantrilla De Kol 2d, 4 y., J. W. Prestiss 255
Deisey Goldbron De Spofford, 5 y., W. H. Allen, Franklinville, N. Y. 120
Norine 2d's Mechthilde, 9 y., F. A. Pangborn, ... 155
Pontiac Neth. De Kol, 7y., J. Arfman 500
Belle Rodmer 2d, 9 y., Richard Hicks, Auburn, N. Y. 165
Calf, E. C. Brill, Brewster, N. Y.... 160
Rosalind Neth. 2d., 2 y., D. D. Aitkin, ... 185
Calf, D. D. Aitkin,..... 65
Colantha Duchess 4th, 3 y., J. H. Walton, Palmyra, N. Y..... 105
Calf, V. S. Mansfield,..... 85
Ramona, F. 2d, 5 y., S. W. Warren, Collins, N. Y. 140
Maplecroft De Kol Posch 3d, 7 y., E. M. Little,..... 135
Nora Artis De Kol of Sennett, 6 y., E. M. Little 160
Calf, Cleveland, ... 85
Gordon Glen Vernon De Kol, 1 y., E. M. Little 125
Woodcrest Queen, 2 y., F. P. Sutliff, 100
B. calf, E. J. Arnold, Moravia, N. Y. 20
Gordon Glen Colantha, 1 y., M. L. Comstock, Clinton, N. Y..... 160
Ondine Rue, 5y., B. Meyer..... 190
B. calf, H. Parker, Burlington Flats, N. Y. 75
Princess Johanna Rue, 6 y., J. Arfman, ... 350
Calf, J. Arfman, ... 130
Princess Heng. Johanna, 4y., D. D. Aitkin,..... 205
Calf, J. A. Clute, ... 85
Miss Ophelia De Kol, 7 y., B. Meyer, ... 225
Miss Maplecroft De Kol, 2 y., J. A. Clute 65
Buckeye Clothilde 3d's Maid, 7y., E. M. Little 110
Gordon Glen Heng. Maid, 1 y., R. Ryn, ... 160
Mutual Pieterje Fancy, 2 y., R. Ryn, ... 135
Flora Heng. Burke, 3 y., R. Ryn, .. 290
Aaggie Heng. Burke, 3 y., J. R. Hazard, ... 130
Calf, D. D. Aitkin, ... 55
Gordon Glen Aaggie Burke 1 y., H. Parker, ... 75
Gordon Glen Minnie Piet., 1 y., S. W. Warner, ... 145
Lucretia De Kol 2d, 4 y., G. B. Wright, Manlius, N. Y. 60
B. calf, J. W. Prentiss, ... 15
Gordon Glen Lucretia, 1 y., Crouse Klock, Syracuse, N. Y. 65
Countess Concordia De Kol, 3 y., L. J. Carrier, ... 165
Calf, D. D. Aitkin, ...
Gordon Glen Countess, Concordia, 1 y., L. T. Peck, Syracuse, N. Y... 95
Lily Castine 2d., 4 y., F. P. Sutliffff 175
B. calf, A. D. Laird, Chittenango.. 25
Lily Korndyke Manor De Kol, 2 y., J. V. Taylor, ... 205
Gordon Glen Castine, 1 y., F. P. Sutliff, ... 90
Gordon Glen Princess Maria, 2 y., S. W. Warner, ... 95
Florence Neth. Piet., 5 y., C. D. Thomas, ... 525
Florence Neth. Piet., 2d, 2 y., J. Arfman, ... 285
Calf, J. Wyckoff, Navarino, N. Y. 25
Gordon Glen Neth. Piet., calf, E. C. Brill, ... 185
New Years De Kol, 4 y., A. J. Kraff, ... 170
Gordon Glen Beets De Kol, calf, E. C. Brill 85
Gordon Glen Segis De Kol, 1 y., E. M. Little, ... 275
Shadeland Tara Paul, 8 y., M. Wilcox, ... 185
Gordon Glen Tara, 1 y., E. M. Little 130
Nellie Woodcrest, 4 y., F. P. Sutliff, 160
Gordon Glen May, calf, Reed & Knowles, Howell, Mich. 85
Gordon Glen Joy, 1 y., R. U. Hanson 150
Gordon Glen Hartog, 1 y., F. C. Overton, ... 90
Gordon Glen Handsome Queen, 2 y., F. R. Hazard,..... 150
Calf, S. C. Pendergast, Phoenix, N. Y. 60

W. W. CHENEY will have in the

C. F. HUNT SALE, APRIL 20-21

Twenty-five (25) head of the best bred stock including several official record cows. Among them will be

LUZETTE PIETERTJE NETHERLAND

with a record of 533.3 lbs. milk and 22.87 lbs. butter, also a daughter of hers. There are two sons of Pontiac Chiron No. 39423 by fine record cows and numerous other good individuals with fine records and breeding.

W. W. CHENEY, - - - - - Manlius, N. Y.

Field Notes.

Mr. and Mrs. Rushton of Harrington Park, N. J., attended the sale of Holstein-Friesian cattle, held at Syracuse, Feb. 17th and 18th.

We see that Brother Jenkins has gone into the watch-fob business. With each fob he throws in a subscription to the Jersey Bulletin. We wonder if the Postal Authorities accept these fob dupes as bonafide subscribers?

The other day at the sale a man inquired what "S. D. W." stood for. It was suggested that it might stand for "Sun Draws Water," or, perhaps, "Settled Dry Weather"—"That is a guess for your life," said he, "ha, ha!" then faded away. Will somebody explain?"

We understand that at the W. R. Gates' sale of Holstein-Friesian cattle held at their farm near Fort Atkinson, Wis., on Feb. 5th, twenty-five heifers, most if not all under two years of age, averaged $116. This was good considering that the day was unfavorable and the sale poorly advertised.

Sara Jewel Hengerveld 3rd has a record of 30.39 lbs. butter in seven days; 121.37 lbs. butter in 30 days. This Holstein-Friesian cow was recently sold by Brown Bros., Lyn. Ont., to F. F. Field, Brockton, Mass., for $2,000, the highest price ever paid for a Canadian cow. Her dam was sold at the same time for $1,500.—Farm and Dairy.

C. F. Corey of Pennellville, N. Y., recently purchased from F. A. Pangburn on the same place forty-three head of pure bred Holstein-Friesian cattle, including Mr. Pangburn's herd bull, Kiatta Mercedes Salo King. This bull's dam has recently made an official record of 600 lbs. milk, 25.55 lbs. butter in seven days. Her best day's production was 95.1 lbs. of milk.

It is confidently expected that Farmers' Week at Cornell will far exceed anything of its kind in the past. An extensive program has been prepared and accommodations are assured at moderate prices. Farmers from every part of the state, and indeed, from other states, are signifying their intentions to be present. The Holstein-Friesian Breeders' Club of New York will be out in force on Wednesday and Thursday, Feb. 24th and 25th, guests of Mr. and Mrs. E. H. Marshall at Starland Dairy Farm, Ithaca's sanitary milk plant. Invitation is extended to Holstein-Friesian breeders throughont the country to meet with the club on this date.

The table of official records published in this issue of the World adds three cows to our 20-lb. list and two to our 80-lb. list, bringing the lists up to 218 and 133 respectively. They are as follows: Royal Queen De Kol 2d 74007, owned by Chas. L. Roberts, Basking Ridge, N. J., at 5 y. 5 m. 19 d., produced 571.8 lbs. milk, 21.097 lbs. fat in 7 days; Lottie Maid of Orange 58667, owned by J. W. Dimick, Rifton, N. Y., at 7 y. 0 m. 10 d., produced 2,446.4 lbs. milk, 80.610 lbs. fat in 30 days; Kiatta Mercedes Wayne 75041, owned by O. J. Godfrey, Pennellville, N. Y., at 4 y. 11 m. 22 d., produced 598.9 lbs. milk, 20.525 lbs. fat in 7 days; Rouble Peck Pietertje 79752, owned by Stevens Bros. Hastings Co., Liverpool, N. Y., at 4 y. 1 m. 13 d., produced 627.0 lbs. milk, 24.039 lbs. fat in 7 days and 2,537.4 lbs. milk, 93.464 lbs. fat in 30 days.

We appreciate your untiring efforts in behalf of Holstein-Friesian breeders, and consider your paper one of the most interesting that comes to our table.—John M. Howard, Sherburne, N. Y.

NOTICE.

Our attention has been called to some attepts at imitating our swinging stanchions, which are protected by United States Letters Patent Nos. 481,987 and 798,936. We have notified such infringers of our rights, and until very recently they have always been respected and the imitations of our manufacture have ceased. The Swift & Bates Specialty Manufacturing Co., of Cuba, N. Y., however, have persisted in their manufacture in spite of our warning, and we have entered suit against that company for infringement of our rights. All persons are warned against purchasing any stanchions from that company, or others which embody the inventions protected by the said Letters Patent, since in so doing they will subject themselves to infringement suits, and we will hold them liable for all damages suffered by us by reason of such infringements.

THE WASSON STANCHION CO.,
Cuba, N. Y.

MR. BENNINGER OF BENNINGERS HAS BEEN INJURED, CAN YOU HELP HIM?

Dear Sir:

On Feb. 1st a party called on me who gave his name as Philo P. Smith, East Albany, N. Y. He told me that he had seen my adv. in the American Ariculturist and had called at their office and that they had instructed him to come here. He bought six pigs from me for $72.00 and gave me a check on the First National Bank of Albany, N. Y. He wrote out the check and signed in vertical writing; he also bought $230.00 worth of Jerseys from a neighbor for which he also gave him a check. The stock was to be shipped as soon as the quarantine was lifted. The checks have been returned but I am out nothing but the protest, however. He stayed two days at the Bittner House, Slatington, Pa., and when he left he told the proprietor that he had

(Continued on page 63.)

HOLSTEIN-FRIESIAN WORLD

A Journal for the Holstein-Friesian Breeder, the Dairyman and the General Farmer.
Entered at the Ithaca (N. Y.) Postoffice as second class mail matter.
Issued the 8th and 22nd of every month.

C. G. BROWN, B. S. B. S. A.,
Editor and Publisher,
ITHACA, N. Y.

DEPARTMENT OF ANIMAL HUSBANDRY.
H. H. WING, M. S. A.....Ithaca, N. Y.
DAIRY HUSBANDRY.
H. A. HOPPER M. S. ..Univ. of Cal. Davis
THE STUDY TABLE.
SOLOMON HOXIE.....Chicago, Ill.
INFECTIOUS DISEASES OF CATTLE.
V. A. MOORE, B. S., M.D., Cornell Vet. College
STAFF OF REGULAR CONTRIBUTORS .
SAMUEL A. ROBINSON....Covesville, Va.
EUGENE M. HASTINGS..Liverpool N Y.
DR. TREMAINE WARD.....Napanee, Ont.
IRVIN NOWLAN.....Toulon, Ill.

Subscription price, One Dollar per year in advance. Three years to one subscriber for $2.00 in advance; five years for $3.00 in advance.

The date on the yellow mailing tag attached to the wrapper of each paper indicates the time to which subscription is paid.

When a subscriber wishes his subscription discontinued he should notify this office.

Approved cuts of meritorious Holstein-Friesian Animals, when furnished, will be published free of charge.

If photographs are sent cuts will be charged for at cost price.

Office of publication, 130 Hazen street, Ithaca, N. Y.

All matter for publication must reach the editor by the 4th and 18th of the month to insure its appearance in current issue.

Advertising rates sent on application.

Remittances should be made by draft, postoffice or express money orders. Money orders and drafts should be made payable to C. G. BROWN.

Editorials.

"What Is Milk of a Superior Quality?"

In the absence as yet of a rejoinder by Mr. "T. W." to S. Hoxie's Study Table article in the last preceding issue of the World, we interpolate a short editorial bearing on the same subject. What we shall say is not so much to combat Mr. Hoxie's position as to elicit information. We do not wholly agree with him, but admit that this lack of agreement may come from a lack of understanding on our part.

In the first instance Mr. Hoxie takes the ground that the question "What is milk of a superior quality" is equivalent to the question "What is the desirable percentage of fat." In as much as the fat in milk is only one of several elements that enter into its composition, to make this one element the determining measure of quality has never seemed just to us, and this injustice is aggravated when we consider that from a physiological standpoint protein in milk, which is found in the casein and not in the fat, is the more important element. The fat as we understand supplies energy and incidentally heat, while the protein supplies the tissue building elements. To the young and growing animal energy is less in demand than tissue building material while heat may be and is largely supplied artificially. Tissue-building material can only be supplied in the food.

When it was held that the solids not fat in milk were proportionate to the fat, there was some excuse for making the percentage of fat, which was easily determinable, the measure of the quality of the milk, but since the Wisconsin Experiment Station has proven that this is not true, there seems no longer any justice in speaking of milk containing a moderate percentage of butter fat as of "poor quality." For the benefit of any who wish to look deeper into this subject we will say that we refer to Bulletin No. 156 from the above mentioned Station. A review of this bulletin was given in the World of March 8, 1908. From among other statements we quote the following: "In the milk of individual cows there is certainly no definite and constant relation between the amounts of fat and casein. One animal may yield a milk containing 2.7 per cent. of casein and 6 per cent. of fat, while another produces a milk of 2.7 per cent. casein and 4 per cent. of fat, and still another, a milk containing 3.5 per cent. of casein and 6 per cent. of fat. These figures are actually analyses of milk of individual cows in the University herd. Expressed in another way, we have milk where for every hundred pounds of fat there may be anywhere from forty-six to seventy-three pounds of casein." In view of these facts wherein is anyone justified in maintaining that quality of milk is determined by percentage of butter fat?

Now, Mr. "T. W.," Mr. Hoxie and the editor seem to agree that milk ranging in butter far from 3.5 to 4 per cent. is the ideal for a breed, but Mr. Hoxie maintains that the average milk produced by Holstein-Friesians as a breed falls somewhat below this average, and he advocates the formation of a new breed by crossing Holstein-Friesians with some breed producing milk high in the percentage of fat in order to reach this ideal standard. He says: "Go into Central New York or anywhere that pure bred Holstein-Friesians are crossed on the best class of native cows. Select from such crossbred animals according to a high standard previously fixed. Breed them together. Discard, of their offspring, those that may not conform to this standard. In the third generation, I doubt not, a breed will be produced that will have all these qualities of milk that T. W. sets forth." We do not doubt in the least the possibility of producing a new breed as Mr. Hoxie outlines. We do, however, have serious doubts as to the possibility of producing a breed that will breed true to type in "three generations." Our opinion is that a rigid selection would need to be maintained for many generations. But supposing that it were possible, what would we have at the end of the third generation? Only a small family comprised in a single herd. Is it not true that we have families of pure bred Holstein-Friesians that now meet all these requirements? If the same rigid selection were to be followed as Mr. Hoxie recommends for his new breed, could not every family of Holstein-Friesians be brought to average up to this ideal standard without a foreign cross? But let us follow this hypothetical new breed a little way. When they became sufficiently numerous to begin to form the nucleii of other herds, would this rigid selection be kept up? Most assuredly not. Those herds where selection was not kept up would lapse, and in the course of a few years the same conditions would exist as in the Holstein-Friesian breed—a graduation in production of butter fat, in this case ranging between the limits of the two breeds which were combined to make the hypothetical breed.

To quote Mr. Hoxie farther: "The grandest cows in my judgement that I ever saw and I think, ever existed, were of the Holstein-Friesian breed. They were of that "large" motherly type represented by Princess of Wayne, Clothilde and Belle Sarcastic. Cows of this type when cared for and fed liberally produced without difficulty from 20,000 to 30,000 lbs. of milk in periods of twelve months lactation. Not infrequently the butter fat in their milk fell below 3 per cent." Mr. Hoxie might recall that we have Holstein-Fresians now living that have produced that amount of milk in a year and averaged near the ideal percentage of butter fat. But with what breed would he cross the Holstein-Friesians and still maintain their size, prodigious flow of milk and at the same time increase its percentage of butter fat? This seems to us a very important point.

Of course, a new breed would imply a new breed association and a new herd book. We cannot see how the breeders of Holstein-Friesians could be expected to be interested in the registration of any other breed of cattle, either new or old. Mr. Hoxie's reference to the fact that the Friesian Association "gathers superior unpedigreed cattle into a 'Hulp' or Help Book" seems to be misleading, since, as we understand it, all these cattle

THE SALE IN PROGRESS

A bona-fide offering of every animal except the herd bulls and the daughters of King of the Pontiacs. Since our first announcement of this proposition, we have been having purchasers from all sides, sometimes a half dozen or more visitors in a day, and every one a buyer. We now have in our stables cattle awaiting the removal of the quarantine, for shipment to Maryland, Pennsylvania, Tennessee, Massachusetts, Connecticut, Indiana and California; and numerous shipments have already been made in our own state.

BUT THE HERD NUMBERS SEVERAL HUNDRED ANIMALS and most of them are still unsold. Among these are a larger number of 25-lb. 7-day and 100-lb. 30-day A. R. O. cows and animals closely related, than can be found in any other herd—the kind that never before have been offered for sale at any price, and the kind of which you ought to have at least one or two for foundation purposes. or to add to the reputation and standing of your present establishment. We are selling to the largest breeders and also to the smallest; to people on the Pacific coast and to our immediate neighbors. If you want some of the best cattle on earth, at a bargain price, make an early trip to Liverpool and look the herd over.

BROOKSIDE HERD

The Stevens Brothers-Hastings Co. Liverpool, N. Y.

taken into the 'Hulp'' book are pedigreed in the sense of being pure bred, no cattle crossed with any other breed being admitted. This reference, therefore, seems hardly applicable to the case. In regard to Mr. Hoxie's statement that ''The Friesian Association discards from registration unworthy animals, however long or attractive their pedigrees may be'' we might reply that while the Holstein-Friesian Association registers all pure bred animals regardless of producing ability, it does maintain a registry in which no animal can be entered ''however long or attractive its pedigree'' unless it proves its superiority as a producer. This Advanced Registry system seems to overcome the defect—lack of selection—existing in the Herd Book registration.

As to the establishment of some kind of a system of registration for Holstein-Friesian grades, say three-quarter bloods or better, and superior producers, we have spoken before. It seems to us that there are logical arguments in favor of the establishment of such a system. The Holstein-Friesian breeder may be supposed to have two interests: First, his personal profit interest in the breed; second, his indirect interest in the improvement and upbuilding of the general dairy interests of the country. Two problems are ever presented to the breeder of pure bred stock, the one growing out of the other. The first is the problem of surplus males; the second, how to induce the average dairyman to improve the producing ability of his herd by placing a thoroughbred sire at the head of it. It seems to us that the establishment of a system of registration for superior producing highly-graded Holstein-Friesians would tend to stimulate the demand for pure bred sires, solving the first problem and contributing to his paramount interest of profit, while at the same time it would tend to improve the producing ability of the dairies of the country, thus answering his second problem and contributing to the breeder's interest indirectly as well as directly. In a word such a system would seem to benefit all interests concerned.

NEW ADVERTISEMENTS.

''J. G.'' wants to care for small herd of H.-F. cattle.

See the ad ''Wanted — Car Load Order''. Who can furnish them?

Another member of Fairview Herd makes a large record. The advertisement tells you about it.

If you want to learn about some of the animals that W. W. Cheney will consign to the Hunt Sale, read his advertisement in this issue.

In the advertisement of ''Edgelake Farm'', B. W. Potter & Son, Rutland, Mass., proprietors, note the fact that this is a tuberculin tested herd.

The new Rockdale Farm ad, headed ''How About This'' gives some pretty good advice. If you read it and act upon it, it may mean a great deal to you.

If you would have good calves you must get a good sire. ''Doth a fountain send forth sweet water and bitter?'' E. A. Powell infers something of this kind in the advertisement of his ''Lakeside Model Family.''

''Happy the man and happy he alone,
He who can call today his own,
He who, secure, within, can say,
Tomorrow, do thy worst, for I have lived today.
Be fair or foul, rain or shine,
The joys I have possessed, in spite of fate are mine.
Not heaven itself upon the past has power.
But what has been, has been, and I have had my hour.''

Moyerdale Herd of High Class Holstein-Friesian Cattle.

KING SEGIS NO. 36168 AT THE HEAD OF THE HERD

THE WORLD'S GREATEST SIRE at 5 years of of age.

THE ONLY SIRE OF THE BREED that has four 20 lb. junior 2-year-old daughters and one 24 lb. senior 2-year-old daughter, LEILA INKA DE KOL No. 85174, a daughter of King Segis at 2 years, 9 months, 1 day of age, has just made a 7 day record of 24.61 lbs. of butter, averaging 4.56 per cent fat, which is a world's record for a senior 2-year-old with first calf.

This makes King Segis the sire of the youngest 24 lb. cow and the sire of the youngest 21 lb. cow of the breed. No matter how well other sires are bred, they are unable to produce daughters equal to King Segis.

I have only five sons of King Segis for sale, which will all be one year old from one to three months later.

H. A. Moyer, Syracuse, N. Y. - James Gillette, Supt.

MANOR FARM HERD

We are in Winter quarters and need more room for increase. We have several sons of Prince Segis Korndyke that are out of officially tested dams that are going to SELL at SOME price. We do not quote prices here as we expect if we did we would have every breeder in the business on our backs for cutting prices through and through. Would be pleased to quote prices to YOU just to convince you that we mean just what we say in regard to low prices.

W. H. Grenell, Owner. Address Matt J. Huggins, Supt.
Pierrepont Manor, N. Y.

PROCEEDINGS AT THE ANNUAL MEETING OF H. F. A. OF CANADA.

Officers Elected.

The following officers were elected: president, B. Mallory, Belleville; 1st vice-pres., H. Bollert, Cassell, Ont.; 2nd vice-pres., Stanley A. Logan, Truro, N. S.; 3rd vice-pres., J. E. K. Herrick, Abbotsford, Que.; 4th vice-pres., Jas. Rettie, Norwich, Ont.; sec.-treas., G. W. Clemmons, St. George, Ont.; two new directors, W. W. Brown, Lyn, Ont.; D. C. Flatt, Millgrove, Ont.; (old directors) J. W. Richardson, Caledonia; R. F. Hicks, Newtonbrook, Ont.; auditors, A. C. Hallman, Breslau; F. E. Came, Montreal, Que.

Delegates to fair boards were elected as follows: W. G. Ellis, Toronto; H. Bollert, G. W. Clemmons, for London; W. Brown and G. A. Gilroy, for Ottawa; J. E. K. Herrick and F. E. Came for Sherbrooke; Stanley A. Logan for Halifax, N. S., Charlottetown, P. E. I., Frederickton and St. John, N. B.; D. Munro and A. B. Potter, for Winnipeg; A. S. Blackwood for Calgary; J. M. Stevens and Thos. Laing, for New Westminster, B. C.

Financial Statement.

The financial statement was the most gratifying ever reported since the association was organized. It showed total receipts of over $10,321.00, including $4,396.48 balance from last year, $4,694.15 received from registrations and transfer fees, $695 membership fees, $341 annual dues, $153.37 interest, $17.25 from herd books and $23.75 refunds. The principal expenditures were: Printing herd books, $1,279.70; special prizes $1,085; salary of secretary-treasurer, $1,000; prizes record of merit, $425; postage, $247; silver cups and show cards $95.05. The balance on hand was $5,050.54.

Secretary's Report.

The report of the secretary showed that the number of registration certivates issued during the year was 2,618 of which 1,060 were for bulls and 1,558 for cows. There were 1,006 transfer certificates issued for bulls and 1,392 for cows, making a total of 2,398.

Eighty-five cows were accepted for the Record of Merit during the year, making a total of 448 cows now in the Record of Merit. Eleven additional tests were made for a period of seven days .Five cows were tested for 30 days and two for 14 days. Two retests were made for a period of one day. Three bulls were admitted during the year making a total of 27 now entered.

The membership showed that 135 new members were admitted to the association in addition to 10 that were received after the close of the fiscal year 1907.

The number of resigtrations of animals was as follows: Under one year, 1,794 from members and 383 from non-members. Over one year, 306 from members, 42 from non-members. Imported cows 62, bulls 15. Re-registration of Canadian bred animals from

American book 4. Transfers for members, 1,679, for non-members 325. Transfers after 90 days after date of sale, 391. Total bulls now registered 7009; cows 10,362. Bulls now transferred 5,342, cows 7,215.

Grants to Fairs.

The following grants were made to the exhibitions mentioned: Toronto, $100; London, $50; Ottawa, $50; Winnipeg, Man., $50; Brandon, Man., $25; Calgary, Alta., $50; Charlottetown, P. E. I., $50; New Westminster, B. C., $50; Halifax, N. S., $50; Victoria, B. C., $50; Winter Fair, Guelph, $145; Sherbrooke, Que., $100; Frederickton, N. B., $50; Winter Fair Ottawa, $100; Maritime Winter Fair, $100; $75 each to the Guelph and Maritime Winter Fairs to be divided at each fair into three sweepstake prizes of $25 each at each fair; $50 in special prizes to be divided into two sweepstake prizes of $25 each.

A grant of $100 will be given to St. John, N. B., if a Dominion Exhibition is held there. A grant of $100 was given to the Dominion Cattle Breeders' Association.

On motion of Stanley A. Logan, seconded by W. W. Brown, it was decided to give $10 to every breeder who succeeds in putting a cow through the 30-day test. This money will be given for every cow that enters the Record of Merit after a 30-day test. It will be given in addition to the $5 that is given to the owners of cows that pass the 7-day test.—Farm and Dairy.

NUGGETS.

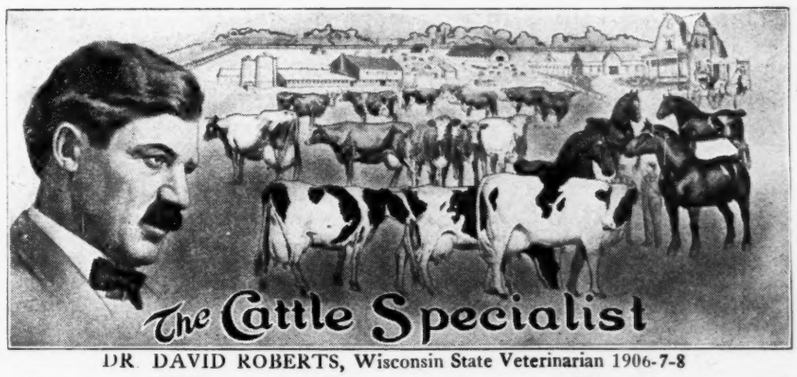
Growing old is a v ry pernicious habit.

Some cows even (H. F. cows) refuse to "dry up".

Some children use very poor judgment in selecting their parents.

We dont gamble in futures. One world at a time is our motto, and we are in no hurry to see the "fireworks".

"Success is voltage under control," says Elbert Hubbard, "—keeping one hand on the transformer of your cosmic kilowatts."



DR. DAVID ROBERTS, Wisconsin State Veterinarian 1906-7-8

Are You Losing Calves?

If so, Stop the Loss Now with a Guaranteed Treatment

There is no longer any doubt that Contagious Abortion can be completely stamped out of any herd with Dr. David Roberts' Anti-Abortion Treatment.

We stake our reputation and take all risk, to show YOU that we can wipe the disease out from YOUR herd.

Read This Herd Manager's Report

Dr. David Roberts Co.

It is with great pleasure that we are permitted to say to you that the treatment you sent us for Contagious Abortion in cows was carried on as you directed and the treatment is just finished and our herd is completely cured and no sign of trouble exists.

WADDINGTON FARMS
Wheeling, W. Va. C. S. Carr, Manager.

Over 1,000 owners treated their herds, in all over 23,000 head, last year and in every case it "proved a success."

We want you to prove it at our risk. Read:

Our Guarantee to You

Where the Dr. David Roberts' Anti-Abortion Treatment fails to wipe out the disease of Contagious Abortion we will return the entire cost of the treatment. Or, we will purchase for cash any herd from which Dr. David Roberts' Anti-Abortion Treatment fails to wipe out the disease.

Do not wait until your cows are about to abort, or until the symptoms are plain.

What an Editor Found Out

(From the Country Gentleman)

"The editors of the Country Gentleman have no hesitation in commending very strongly to the attention of every owner of a cow, the Anti-Abortion treatment of Dr. Roberts Veterinary Co. We have carried on a correspondence with some of the highest authorities in the country and their reports are WITHOUT EXCEPTION SO FAVORABLE AS TO REALLY SURPRISE US."

Official Testimony

Prof. R. J. Kinzer of the department of animal industry, Kansas Agricultural College, says: "We have tried it and have had thoroughly satisfactory results."

Prof. Oscar Erf, Dairy Department, Ohio State University, writes: The 17 herds that were treated with Dr. Roberts Anti-Abortion over which I had supervision have fully recovered from the disease and IN EVERY WAY THE TREATMENT HAS PROVED A SUCCESS."

Send for a free copy of Dr. David Roberts' book "Abortion in Cows." It is the standard authority on the subject, and tells exactly how to detect the first symptoms of the dreaded disease and how to stop it at any stage.

The Book Is Free

Fill out the coupon below and send to us and we will send at once a copy of "Abortion in Cows."

Dr. David Roberts Veterinary Company
965 Grand Ave. Waukesha, Wis.

$1.00 FREE BOOK COUPON

Dr. David Roberts Veterinary Co., 965 Grand Ave., Waukesha, Wis. 6

I own.....cows.....heifers.....calves.....bulls, of the.....breed

Please send me your book "Abortion in Cows." I enclose 10 cents for postage.

Name.....

R.F.D.....Town.....State.....

(Continued from page 59.)

bought stock from us and that he was going to other breeders. He handed him a certified check for $500.00 and the landlord cashed it and the certified check was a forgery. Mr. Morgan, the proprietor of the Bittner House would like to get him if any of the breeders locate him.

He is about 33 years old, smooth shave, medium size, well built, weighs about 160 lbs., bright, intelligent and fairly well posted on Berkshires, also Jersey cattle, he wears good clothes, with pockets full of agricultural papers and Catalogues. Truly yours,

W. M. BENNINGER.

I would not like to be without your paper for I think it is the right kind for the Holstein breed.—August Stocker.

Official Records of Holstein-Friesian Cows

155 Cows **From January 12 to January 25, 1909.**

NAME OF COW AND OWNER.	Age y.	m.	d.	Days from Calving.	Consecutive Days.	Milk, lbs.	Average per cent. fat.	Butter fat lbs.
Royal Queen DeKol 2d, 74007, Charles L. Roberts	5	5	19	25	7	571.8	3.69	21.097
Princess of Grafton, 51220, Fred Kohlwey	9	0	21	33	7	520.4	3.76	19.577
Lottie Maid of Orange, 58667, J. W. Dimick	7	0	11	30	7	611.5	3.20	19.564
	7	0	11	10	30	2,446.4	3.30	80.610
Pauline Mercedes, 66969, John Arfmann	5	8	28	11	7	589.3	3.17	18.655
Wisconsin Bess Piebe, 71899, August Knospe	5	3	11	31	7	441.6	4.17	18.396
Abbie Douglass DeKol 2d, 65690, F. J. Bristol	6	0	11	19	7	535.7	3.24	18.357
Molly Wayne DeKol,66247, T. A. Mitchell	5	10	6	13	7	473.6	3.87	18.338
Hester Pietertje, 62421, E. A. Powell	6	10	24	16	7	473.4	3.82	18.096
Diana Artis DeKol, 70091, F. W. Scott	5	1	15	11	7	560.0	3.23	18.089
Pet Douglass 2d, 63556, John Arfmann	6	4	17	37	7	495.5	3.51	17.371
Lucile Bawn, 57620, J. A. Watson	7	5	19	19	7	544.8	3.19	17.368
Jennie Nudine 2d, 55292, J. A. Watson	8	8	23	21	7	528.2	3.20	16.934
Johanna Bonheur 2d, 71015, F. J. Bristol	5	0	7	6	7	458.5	3.66	16.794
Bessie DeKol Boon 2d, 64289, John M. Howard	6	6	17	11	7	459.8	3.65	16.779
Star Watson, 71898, August Knospe	5	4	1	36	7	456.7	3.62	16.521
Dichter's Alemena, 40257, O. J. Godfrey	13	6	10	68	7	487.2	3.39	16.516
Netherland Aagie Mechthilde, 68824, F. W. Scott	5	9	20	15	7	432.9	3.79	16.406
Rogersville Belle, 61235, Tompkins Wright	7	2	28	38	7	498.9	3.28	16.372
Princess Rose Aagie, 63560, C. H. Stevens	6	3	9	17	7	427.3	3.75	16.015
Queen Pietertje Koningin 2d, 62270, Herbert P. Smith	9	6	18	10	7	404.7	3.94	15.946
Clothilde Imperial DeKol, 69179, W. H. Sexton	5	6	25	14	7	470.3	3.39	15.938
Bess Boon, 64332, John M. Howard	5	10	24	7	7	527.9	2.97	15.692
Kishie, 57061, Chas. Van der Schaaf	8	1	19	25	7	499.6	3.13	15.613
Jennie Pietertje DeKol, 49877, H. G. Whitney	9	10	13	20	7	437.9	3.53	15.464
Lady Mechtchilde Echo DeKol, 71673, John G. Pembleton	5	3	5	11	7	421.5	3.65	15.378
Lassie Burke, 48688, H. G. Whitney	10	2	10	19	7	399.2	3.82	15.255
	10	2	10	16	14	785.4	3.73	29.277
Ladoga Idaline Pauline DeKol, 62040, John M. Howard	6	11	2	10	7	400.9	3.80	15.216
Albrice Marikje, 58376, O. J. Gadfrey	8	7	0	12	7	377.5	4.00	15.113
Princess Leo Netherland 2d, 71316, O. J. Godfrey	5	4	29	12	7	524.0	2.88	14.989
Princess Zozo Pietertje, 62715, W. C. Hunt	7	8	18	16	7	470.5	3.16	14.864
Mildred Concordia DeKol, 72192, Herbert P. Smith	6	3	12	19	7	393.3	3.76	14.685
Pieterje Queen Pauline DeKol 2d, 72296, F. & H. D. Roe	5	1	3	22	7	534.8	2.73	14.598
Queen Cataleta DeKol, 63811, Herbert P. Smith	6	7	7	34	7	425.8	3.25	14.276
Rhoda Maid Mercedes, 53247, Tompkins Wright	9	0	7	76	7	396.0	3.60	14.242
Third Girl, 64415, Chas. Van der Schaaf	5	10	25	37	7	472.9	3.01	14.174
Dido Dill 2d, 64406, Cahs. Van der Schaaf	6	2	7	4	7	379.1	3.73	14.157
Lady Blanche Clothilde, 60527, W. H. Sexton	7	4	27	13	7	390.8	3.62	14.138
Hijlaard Korndyke DeKol, 64506, Henry Stevens & Son	5	10	25	6	7	471,2	2.98	14.043
Excell Clothilde Lyons, 55475, J. A. Watson	8	8	20	11	7	410.5	3.38	13.875
Mayflower Hartog, 69220, Horace L. Bronson	6	9	9	12	7	424,9	3.24	13.786
Pinkette Pia 2d, 71565, Chas. Van der Schaaf	5	0	22	15	7	446.8	3.04	13.584
Gewina Beauty Bell Piebe, 71771, August Knospe	5	2	8	15	7	347.4	3.89	13.526
Clapp Beauty, 63726, J. H. Schindler	5	10	9	31	7	368.6	3.48	12.804
Heilo Aagie DeKol Abbekerk, 61055, C. H. Stevens	7	3	7	42	7	366.4	3.48	12.733
Flora Thorn DeKol, 58867, E. E. Ayer	7	8	27	26	7	321.7	3.95	12.719
Pride Josie, 61740, Bernhard Witt	6	11	0	77	7	337.1	3.75	12.644
Senior Four-Year Class.								
Kiatta Mercedes Wayne, 75041, O. J. Godfrey	4	11	22	19	7	598.9	3.43	20.525
	4	11	22	12	14	1,165.2	3.51	40.812
Mabel Daw DeKol, 103654, Paul H. McNish	4	7	4	12	7	569.1	3.44	19.583
DeKol Alban DeKol Princess, 75202, E. A. Powell	4	7	14	9	7	428.7	4.33	18.554
Princess Clothilde DeKol Johanna, 75439, W. C. Hunt	4	8	4	34	7	528.1	3.27	17.291
	4	8	4	32	22	1,634.7	3.13	51.098
Veeman DeKol, 72114, E. A. Powell	4	7	5	7	7	472.1	3.40	16.049
Lady Wandagelsche, 76428, J. W. Dimick	4	7	4	12	7	431.3	3.84	15.570
Witna 2d's Ormsby Queen, 75462, Stevens Bros.-Hastings Co.	4	9	16	9	7	443.2	3.47	15.362
Burke Butter Girl, 72151, F. & H. D. Roe	4	6	18	71	7	456.4	3.17	14.549
Black Belle DeKol, 76004, F. A. Branch	4	7	4	26	7	513.8	2.68	13.759
Alma Grace DeKol, 74819, D. J. Hollis	4	9	3	12	7	382.7	3.59	13.618
Lucy Hengerveld DeKol Hartog, 73805, S. W. Warner	4	9	11	28	7	468.5	2.83	13.238
Maple Hurst Belle, 77358, F. & H. D. Roe	4	7	29	62	7	441.1	2.97	13.115
Elora's Mercedes 3d, 90844, John Erickson	4	11	24	24	7	374.3	3.48	13.030
Sarah May DeKol, 74869, Horace L. Bronson	4	10	0	10	7	366.7	3.81	12.988
Beryl Woodland Lass, 73122, C. H. Stevens	4	8	11	76	7	403.3	3.05	12.298
Beryl Queen, 73119, C. H. Stevens	4	6	14	77	7	345.6	3.44	11.900
Agatha Aagie Grace DeKol 73382, F. & H. D. Roe	4	7	12	101	7	375.9	3.17	11.899
Junior Four-Year Class.								
Rouble Peck Pietertje, 79752, Stevens Bros.-Hastings Co.	4	1	13	26	7	627.0	3.83	24.039
	4	1	13	15	30	2,537.4	3.68	93.464
Clothilde Belle Jolie DeKol, 77890, F. & H. D. Roe	4	3	12	33	7	542.7	3.19	17.295
Lady Oak Homestead Ormsby, 78870, Tompkins Wright	4	3	5	7	7	394.6	4.15	16.385

Lida DeKol 2d, 77724, John R. Parsons	4 3 18	12	7	461.1	3.31	15.263
Bellewood 2d's Pauline DeKol, 77887, F. & H. D. Roe	4 5 15	44	7	540.3	2.72	14.796
Shadeland Belle Abbekerk, 79151, A. H. Loomis	4 1 18	31	7	430.5	3.40	14.630
Luecke Nellie Ann 74484, F. W. Scott	4 2 10	23	7	480.8	3.03	14.587
Steuben Belle, 79154, A. H. Loomis	4 1 4	30	7	421.9	3.33	14.033
Louise Daw DeKol 3d, 77363, Horace L. Bronson	4 1 24	53	7	414.8	3.19	13.215
Buckeye Clothilde 3d's DeKol, 77889, F. & H. D. Roe	4 5 28	72	7	447.9	2.92	13.101
Verbelle Monk DeKol, 77891, F. & H. D. Roe	4 1 27	50	7	454.0	2.86	12.966
Ophelia Clothilde DeKol, 78512, F. & H. D. Roe	4 4 6	63	7	459.2	2.82	12.924
Gone Again, 78037, J. A. Watson	4 3 1	5	7	369.4	3.22	11.882
Mechthilde DeKol Rosetta 2d, 73767, F. & H. D. Roe	4 4 27	80	7	380.1	3.00	11.404
Beryl Aagie Pauline, 77443, F. & H. D. Roe	4 2 1	80	7	388.1	2.83	10.985
Senior Three-Year Class.						
Belle Pietertje DeKol Parana, 79149, A. H. Loomis	3 10 16	18	7	536.6	3.45	18.500
Netherland Mona Johanna, 76190, Stevens Bros.-Hastings Co.	3 11 12	17	7	556.2	3.30	18.359
Pinkette Pia 3d, 77930, Chas. Van der Schaaf	3 11 26	16	7	470.6	3.39	15.937
Maplecroft Neta Clothilde, 82836, E. J. Tefft	3 10 5	10	7	539.6	2.93	15.787
Jannek Albina DeKol 4th, 83829, Stevens Bros.—Hastings Co	3 7 20	5	7	494.8	3.00	14.867
May Pietertje Mechthilde 2d, 19961, John D. Hagan	3 11 16	9	7	485.7	2.99	14.534
Ruby May DeKol, 74989, Stevens Bros.-Hastings Co.	3 9 22	4	7	496.2	2.90	14.373
Molly Burke DeKol, 82637, T. A. Mitchell	3 6 25	41	7	389.5	3.63	14.154
Kishie Queen, 77931, Chas. Van der Schaaf	3 11 11	25	7	355.2	3.83	13.613
Lotta Belle Parana, 79150, A. H. Loomis	3 9 21	41	7	397.7	3.19	12.684
Shadeland Paul DeKol Lilly, 78024, R. P. Kutschbach	3 8 21	21	7	385.5	3.22	12.422
Eva Mercedes DeKol, 94051, John Erickson	3 8 14	18	7	376.3	3.30	12.407
Adalma, 84125, Davis Brothers	3 6 21	10	7	329.9	3.67	12.091
Jessie Clothilde DeKol Colantha, 82461, Horace L. Bronson	3 8 27	39	7	298.3	3.98	11.862
Johanna Rue Queen, 78391, Tompkins Wright	3 7 7	75	7	348.4	3.37	11.716
Maude Adina DeKol, 81936, Horace L. Bronson	3 9 10	24	7	318.4	3.60	11.457
Mercedes Julip Pauline DeKol, 73172, Horace L. Bronson	3 11 3	55	7	348.9	3.21	11.213
Junior Three-Year Class.						
Mercedes Kiatta DeKol, 88614, O. J. Godfrey	3 1 14	10	7	460.9	3.66	16.860
Mildred Soldene DeKol, 80897, J. W. Dimick	3 0 3	30	7	451.4	3.34	15.058
Star Watson Mooie, 87770, August Knospe	3 0 21	19	7	434.9	3.30	14.358
Uneeda Dolly Korndyke, 86488, F. J. Bristol	3 2 13	7	7	434.1	3.23	14.088
Pauline Ononis Netherland, 84662, John Arfmann	3 3 19	16	7	445.8	3.05	13.603
Johanna Rue Burke, 81601, August Knospe	3 5 5	38	7	379.9	3.70	14.063
Imperial DeKol Lilith, 82324, Davis Brothers	3 4 13	17	7	360.0	3.84	13.810
Daisy Hengerveld Piebe, 99075, John Erickson	3 0 28	12	7	388.0	3.41	13.249
Della Aaltje Salo, 88479, Fred Kohlwey	3 0 3	32	7	327.9	4.00	13.118
Gewina Beauty Belle Mutual 87771, August Knospe	3 0 0	28	7	377.0	3.30	12.446
Salma 2d's Pietertje 2d, 87163, C. H. Stevens	3 2 0	50	7	341.9	3.43	11.742
Daisy Ballou 2d, 110617, H. B. Smith	3 4 15	74	7	349.3	3.26	11.401
Pauline Hartog DeKol DeLone. 96380, S. W. Warner	3 4 20	13	7	330.7	3.18	10.512
Ollie Watson 5th's Johanna, 88307, C. H. Stevens	3 0 16	48	7	310.6	3.23	10.030
Otta Van Friesland 2d, 82063, E. E. Randall	3 0 4	11	7	291.8	3.42	9.910
Senior Two-Year Class.						
DeKol Pearl Hengerveld. 87595, E. A. Powell	2 11 10	14	7	423.7	3.60	15.233
Uneeda Johanna DeKol Paulett, 85960, W. A. Carr	2 10 22	18	7	407.3	3.45	14.058
Wooderest Ina, 84561. J. W. Dimick	2 6 25	41	7	414.0	3.03	13.631
Leland Sunbeam, 88664, Tompkins Wright	2 9 27	27	7	360.4	3.38	12.194
Winana DeKol Burke, 81367, H. G. Whitney	2 11 26	43	7	339.5	3.56	12.086
Wooderest Plum. 85822, J. W. Dimick	2 7 13	12	7	396.9	2.98	11.815
May Hartog DeKol, 90594, Horace L. Bronson	2 10 23	14	7	300.9	3.88	11.674
Wooderest Calamity DeKol, 82912, J. W. Dimick	2 9 16	30	7	330.6	3.55	11.626
Royal Homestead DeKol, 88677, Charles L. Roberts	2 6 14	82	7	329.6	3.37	11.107
Highland Johanna Maid, 103823, W. A. Carr	2 7 29	40	7	333.1	3.27	10.898
Butter Boy May Pieterje. 87024, Henry Stevens & Son	2 8 29	14	7	290.8	3.74	10.888
Queen Butter Girl, 101825, Geo. Rice	2 11 4	28	7	327.0	3.22	10.538
Piebe Queen DeKol Mechthilde, 87296, E. E. Ayer	2 9 17	46	7	295.9	3.31	9.785
Dutchland Dora Hengerveld, 81978, F. F. Field Holstein Co.	2 11 0	28	7	317.8	3.07	9.765
Baby Clothilde Butter Girl, 87025, Henry Stevens & Son	2 7 2	18	7	219.6	4.14	9.096
Mulvie Allen, 92650, R. P. Kutchbach	2 6 0	63	7	222.9	3.99	8.903
Wooderest Maid DeKol, 85281, J. W. Dimick	2 8 21	18	7	256.3	3.28	8.400
Junior Two-Year Class.						
Wooderest, Trijntje, 85823, J. W. Dimick	2 5 6	25	7	392.6	3.62	14.207
Viale Tiffany 99190, E A. Powlell	2 0 3	26	7	351.7	3.97	13.951
DeKol Burke Butter Maid, 89166, E. A. Powell	2 4 1	24	7	360.4	3.60	12.963
Salma 2d's Pieterje DeKol 2d, 98487, E. E. Randall	2 2 6	11	7	327.7	3.95	12.930
Mutual Pieterje Netherland, 89167, E. A. Powell	2 1 5	23	7	356.2	3.46	12.322
Rogersville Belle Beauty, 94572. Tompkins Wright	1 11 17	64	7	335.4	3.38	11.327
Wooderest DeKol. 85821. J. W. Dimick	2 5 24	16	7	378.4	2.93	11.081
Eleanor Queen Lilith. 86274, E. A. Powell	2 4 15	19	7	352.1	3.10	10.919
Jolie Johanna Ella. 96507. L. E. Connell	2 4 19	23	7	351.9	3.06	10.779
Uneeda Inka Korndyke B., 97769, F. J. Bristol	1 11 16	9	7	318.1	3.37	10.707
Dichter Alemena DeKol 2d 96166, O. J. Godfrey	2 5 19	7	7	296.2	3.56	10.529
Jolie Johanna Ella. 96507. L. E. Connell	2 3 5	28	7	350.9	2.94	10.302
Rose Aagie Liddisdale 2d, 98750, E. E. Randall	2 2 11	7	7	258.1	3.91	10.091
Jolie Johanna Nell, 96506. L. E. Connell	2 2 9	18	7	304.1	3.31	10.076
Lilith DeKol Volga. 89774. Davis Brothers	2 2 12	148	7	264.4	3.72	9.846
Daisy Queen Netherland 2d Piebe, 109938, John Erickson	2 0 26	19	7	271.0	3.62	9.798
Mulvie Beets DeKol. 88547. H. G. Whitney	1 10 18	42	7	266.2	3.53	9.388
Ermine Elliston, 91121, S. W. Warner	2 5 17	53	7	338.1	2.74	9.272
Uneeda Mutual Korndyke. 97771, F. J. Bristol	2 0 29	16	7	298.6	3.08	9.187
Beryl Mercedes DeKol, 87538, John G. Pembleton	2 4 16	106	7	295.1	3.11	9.171
Johanna Clothilde 7th, 86801, John Erickson	2 3 10	30	7	265.9	3.37	8.972

HYGEIA HERD

Offers a few more Service Bulls and Bull Calves

Sired by PONTIAC CALYPSO'S SON 39469

Sire—Beryl Wayne's Paul DeKol. Sire of 33 A. R. O. daughters; 10 proven sons.
- DeKol 2nd's Paul DeKol. Sire 45 A. R. O. daughters; 31 proven sons. A. R. O. of dam 26.57 lbs.
- Beryl Wayne. A.R.O. 27.87 lbs. Her ten half-sisters aver. 21.07 lbs

Dam—Pontiac Calypso, A. R. O. 28.43 lbs. Has 82 A. R. O. half-sisters.
- Hengerveld DeKol. Sire of 82 A. R. O daughters.
- Lady Themis. Dam of 2 A. R. O. daughters.

Mention the Holstein-Friesian World, and write for pedigrees and prices.

Address: W. F. Carter, Jr., Agent HYGEIA HERD W. Fitzhugh Carter, M. D., Owner.
Crozet, Albemarle County, Virginia.

Great Thirty Days Sale

M. S. Nye of Preble, N. Y., offers for the next thirty days some of the best registered Holsteins ever offered for sale. Every female of milking age in the herd has an A. R. O. record. You can find more show animals in the herd than can be found in any other herd in the world. Thirteen head in this herd won 19 prizes at N. Y. State Fair, 1907, A. A. Hartshorn, Judge. In 1908 this herd competing with 286 head at same fair won the following prizes: The Herd Bull won first prize, headed the first prize "Exhibitors' Herd," sired the first prize "Breeders' Young Herd". Four of his get won first prize,—a 2-year-old sired by him won second prize—a heifer calf, won second—a yearling first. Four daughters of Homestead Hengerveld DeKol Paul won second prize for get of sire. In the 7-days' butter test one of those heifers at 4 years won first prize for butter. A 2-year-old won first prize for butter as 2-year-old. Another 2-year-old heifer won second prize, 6 months after calving. This was the largest and best exhibition of Holsteins ever got together in the world. W. J. Gillette judge, Prof. W. H. Wing, supervisor of tests ¶My calves are sired by Aaggie Cornucopia Johanna Lad, Jr., and my cows are in calf by this bull. My heifers are bred to Dutchland Colantha Contest Boy. These two sires are sired by sons of Aaggie Cornucopia Pauline and Colantha 4th's Johanna, the two Champion Butter Cows of the world. My entire milking herd has averaged ten thousand lbs. of milk per cow each year for the last twelve years. The milk at Station prices has brought an average of over $100 per cow each year. Write at once or come and look them over. I must make room for the increase.

M. S. Nye, - - - - - Preble, N. Y.

Veeman Eleanor, 93096, R. P. Kutschbach	2 3 3	192	7	254.5	3.50	8.896
Mercedes Foxey Mutual DeKol, 94570, Tompkins Wright	1 11 7	69	7	266.0	3.32	8.827
Carlotta Josephine, 96827, R. P. Kutschbach	2 1 27	18	7	252.6	3.48	8.794
Heilo Aagie Johanna 6th, 98748, E. E. Randall	2 0 9	30	7	200.3	4.34	8.697
Veeman Bess, 96823, R. P. Kutschbach	2 0 6	34	7	241.7	3.60	8.697
Arah Veeman, 98698, Geo. Rice	1 11 29	62	7	285.1	3.03	8.620
Aagie Woodcrest, 89933, J. W. Dimick	1 10 20	13	7	277.6	2.79	7.749

Delavan, Wis., February 6, 1909. MALCOLM H. GARDNER, Supt. of Advanced Registry.

SUMMARY OF OFFICIAL RECORDS OF HOLSTEIN-FRIESIAN COWS FROM JANUARY 12th to JANUARY 25th, 1909.

Unless otherwise mentioned, these records are for a period of seven consecutive days. They are made under the careful supervision of State Agl. Colleges or Experiment Stations, and their accuracy is vouched for by them; no private records are reported by the Holstein-Friesian Association.

During the period from January 12th to January 25th, 1909, records for 155 cows were accepted; of which two were extended to 14 days, one to 22 days, and two to 30 days. The averages by ages or classes were as follows:

Forty-six full aged cows averaged: age, 6 years, 11 months, 24 days; days from calving, 23; milk, 456.2 lbs.; per cent. fat, 3.46; fat, 15.787 lbs. Seventeen senior four-year olds averaged: age, 4 years, 8 months, 11 days; days from calving 35; milk447 lbs.; per cent. fat, 3.33; fat 14.902 lbs. Fifteen junior four-year-olds averaged: age 4 years, 3 months, 1 day; days from calving, 41; milk, 454.2 lbs.; per cent. fat, 3.19; fat, 14.5 lbs. Seventeen senior three-year-olds averaged: age, 3 years, 9 months, 15 days; days from calving, 25; milk, 419.3 lbs.; per cent fat 3.32; fat, 13.911 lbs. Fifteen junior three-year-olds averaged: age, 3 years, 2 months, 3 days; days from calving, 27; milk, 378.9 lbs.; per cent. fat, 3.44; fat, 13-.022 lbs. Seventeen senior two-year-olds averaged: age, 2 years, 9 months, 4 days; days from calving, 32; milk, 327.4 lbs.; per cent. fat, 3.44; fat, 11-.276 lbs. Twenty-eight junior two-year-olds averaged: age, 2 years, 2 month, 8 ady; days from calving 40; milk, 307.5 lbs.; per cent. fat, 3.34; fat, 10.289 lbs.

Considered as a herd of 155 animals, of which somewhat less than one-half were heifers with first or second calves, the herd produced in seven consecutive days 62,384.3 lbs. of milk containing 2,108.656 lbs. butter-fat; thus showing an average of 3.38 per cent. fat. The average production for each animal was 402.5 lbs. of milk containing 13.604 lbs. of butter-fat; equivalent to 57.5 lbs. or nearly 28 quarts of milk per day, and 15 7-8 lbs. of the best commercial butter per week.

The great extent of the official test work among Holstein-Friesian breeders, the immense amount of detail it involves, can only be understood by giving the matter car ful thoughht. This single issue of the official report covers the handling of over thirt-one tons of milk, of which every milking was separately weighed and its fat content determined . Yet in the estimation of many, official test work among the breeders of dairy cattle has just fairly begun; and it is to grow till the leaven permeates the ranks of our farmer-dairymen, owning grades or common cattle, when, in a much modified form, it will result in the formation of successful testing associations and prove of the greatest advantage to the dairy industry. When that times comes, the demand for the cheaper sort of pure-bre dairy bulls will be infinitely larger than it is now, as no m mber of a cow-

testing association will be willing to use anything but a pure-bred bull.

In this issue of the official reports, the cows and senior four-year-olds show nothing remarkable, as records go now-adays; the sensational record of this issue being made by a junior four-year-old. The aged cow class is lead by Royal Queen DeKol 2nd, 21.097 lbs. fat from 571.8 lbs. milk, followed by Princess of Grafton, 19.577 lbs. fat from 520.4 lbs. milk, and Lottie Maid of Orange, 19.564 lbs. fat from 611.5 lbs. milk in 7 days, 80.61 lbs. fat from 2,446.4 lbs. milk in 30 days; both making good their right to place in the 19-lb. list. Pauline Mercedes, Wisconsin Bess Piebe, Abbie Douglass DeKol 2nd, Molly Wayne DeKol, Hester Pietertje, and Diana Artis DeKol, produce above 18 lbs. fat and gain honorable mention.

The most prominent among the senior four-year-olds is Kiatta Mercedes Wayne, 20.525 lbs. fat from 598.9 lbs. milk; Mabel Daw De Kol produces 19.583 lbs. fat from 569.1 lbs. milk, and DeKol Alban DeKol Princess, 18.554 lbs. fat from 428.7 lbs. milk. Far in the lead among the Junior four-year-olds is Rouble Peck Pietertje, 24.039 lbs. fat from 627 lbs. milk in 7 days, 93.464 lbs. fat from 2,537.4 lbs. milk in 30 days; thus breaking the record in the Junior four-year class of the 7-Day Division, and H.-F records are not easily broken now. Clothilde Belle Jolie DeKol and lady Oak Homestead Ormsby follow with 17.295 lbs. and 16.385 lbs. fat respectively.

Belle Pietertje DeKol Parana, 18.5 lbs fat from 536.6 lbs. milk, stands at the head of the senior three-year-olds, with Netherland Mona Johanna, 18.359 lbs. fat from 556.2 lbs. milk, a close second; while Mercedes Kiatta DeKol, 16.86 lbs. fat from 460.9 lbs. milk, and Mildred Soldene DeKol, 15.058 lbs. fat from 451.4 lbs. milk, occupy the same relative positions among the juniors.

In the senior two-year-class, DeKol Pearl Hengerveld shows up best, with 15.233 lbs. fat from 423.7 lbs. milk; and Uneeda Johanna DeKol Paulett and Woodcrest Ina are second and third respectively. Among the junior two-year-olds, Woodcrest Trijntje makes a fine record of 14.207 lbs. fat from 392.6 lbs. milk; with Vale Tiffany, 13.951 lbs. fat from 351.7 lbs. milk, as second. DeKol Burke Butter Maid, Salma 2nd's Pietertje DeKol 2nd, and Mutual Pietertje Netherland, produce above 12 lbs. fat and are honorably mentioned.

NOTE:—It has come to the attention of the Superintendent of Advanced Registry that there is some doubt, on the part of a portion of our membership, as to the wisdom shown by the last Committee on Revision of the Rules for Advanced Registry in recommending to the Association the dropping of the so-called "feed rule" from the special rules for the making of official tests, and criticism of the action of the Association in accepting the recommendation. Although the rule was included in the draft of special rules submitted to the Committee by the Superintendent, he did not consider the rule, in itself, of any special advantage on the one hand to the Association, nor disadvantage on the other to the owner of the animal tested, and made no objection to the dropping it. However, in order that the Association may have an opportunity to reconsider its action, if it thinks best, the Superintendent will propose to the next meeting of the Association the reinserting of this rule, that the Association may decide whether it wants it or not.

MALCOM H. GARDNER,
Supt. A. R.

Breeders' Bulletin Board.

FAIRVIEW FARM.

Editor H.-F. World:

We have recently sold three splendid young bulls, as follows: Wadmantje Prince, No. 55499, to A. B. Hungerford of Connecticut, his dam being a 15.63 lb. two-year-old daughter of Prince De Kol Paul, sire of 20 A. R. O. daughters; also Melane Mercedes Prince, No. 55314, to F. T. Howard of Vermont. This bull being 75 per cent. same blood as Vadora Mercedes Erna, A. R. O. 20 lbs. butter in 7 days, as a junior two-year-old; the other was a splendid son of Wadmantje De Kol 2d, A. R. O. 15.54 lbs. butter in seven days at three years, her dam being an 18 lb. four-year-old. This calf went to a neighbor, Lewis Rawson.

The sire of these calves is our herd bull, Aaltje Salo Mercedes De Kol Prince, who is proving to be one of the greatest of sires. He already has one 20 lb. junior two-year-old daughter, while the other one that has freshened is giving around 60 lbs. a day; also a junior two-year-old. He has a right to be a great stock getter as his dam and sire's dams, both have better than 25¼ lbs. at four years. His dam Aaltje Salo Erna gave over 20,000 lbs. of milk last year.

O. J. GODFREY & CO.

A GREAT BULL BORN IN THE LAKESIDE HERD.

Last season the famous old Matron, "De Kol 2d's Alban De Kol," the head of the "Lakeside Model Family", which carries the world's record for her age, was mated with the noted young sire, "King Segis". The result was a beauttiful bull calf born Jan. 29th. He has the beautiful markings that are characteristic of the "Model Family,"—over half white with strip in face, and with large black patches scattered over body with great uniformity.

It is doubtful if King Segis ever sired a more valuable bull. The sire of this young calf is known by the great performance of his daughters, and his dam has made for herself, a national reputation by accomplishing what no other cow has ever done. When 13 years of age,—not having been dry for over four years, and after an attack of milk fever, she made an A. R. O. record of 26.56 lbs. of butter in 7 days, and 109.71 lbs. in 30 days, average fat for the whole period 4.14 per cent. This has stood for the world's record for all cows over 12 years of age up to this date. Other cows have in their prime made larger records, but when age and all conditions are thrown into the ballance, the performance of this great Matron is surpasses by only a few if any. In this youngster is united the blood of two great families, it is doubtful if any other two families, with an equal membership, ever produced so many 20 lb. two-year-olds. The result ought to be an improvement on either. The record for De Kol 2d's Alban De Kol, for 7 days, is exactly the same as that of De Kol 2d, her grand-dam, but the former was older when it was made. I look upon this cow as the best daughter of the best son of De Kol 2d.

The lakeside Model Family of which this cow is the aged Matron, possesses so many desirable qualities, that its popularity seems assured. Beauty of form — high quality — broad straight backs and rumps,—short fine limbs, beautiful capacious well placed and well balaneed udders, beautiful uniform marking's great production,—4 per cent. milk, continuous flow throughout the year, early maturity and long years of usefulness, great constitution and vigor,—these are the marked characteristics of this family, and the appeal to every breeder.

I have about 40 members of the "Lakeside Model Family" in my herd and they are all alike.

Very respectfully,
E. A. POWEL.

THE HETTS HOLSTEIN CO. SELL BLACK AND WHITES AT GOOD PRICES.

On February the fourth, about two miles west of Ft. Atkinson on the farm of George Hetts was a rousing good sale of Holstein cattle. It was a beautiful day, after the severe storm which was fresh in the memory of nearly all who attended the auction. The day made everybody happy and in the best of humor, which was strongly indicated by the spirited bidding. The bids were not by fives and tens, but the animals started at a hundred dollars and bids of $25 to $50 were made until the animal was struck off. Of course there were a few instances where this was not the case, but on the whole, the buyers were hungry for Holsteins and there was no lost time in waiting for bids. Many of the Holstein breeders that were present said that the prices surprised them and were emphatically reminded that they were owners of a very popular breed of cattle.

The animals were good, but none of them had been officially tested, although the most of them carried the blood of prominent dairy animals with large official records and would be capable of making good records if given an opportunity. The total sales amounted to $10,507.00, which made an average price of $184.33.

There are several things which go to make a successful sale: First, the cattle must be good; second, there must be a demand; third, the crowd must be kept in the spirit for buying. The latter rests to no small degree with the auctioneer, and it is with considerable pleasure to note that our fellow towns-

GEOGRAPHIC SWEETHEART.

In the state of Mass.
There lives a lass
I love to go N. C.;
No other Miss.
Can e'er, I Wis.,
Be half so dear to Me.

R. I. is blue
And her cheeks the hue
Of shells where waters swash;
On her pink-white phiz
There Nev. Ariz.
The least complexion Wash.

La.! could I win
The heart of Minn.
I'd ask for nothing more;
But I only dream
Upon the theme
And Conn. it o'er and Ore.

I shun the task
'T would be to ask
This gentle maid to wed.
And so to press
My suit I guess
Alaska Pa., instead.

—Schoolmaster.

---

man, Mr. J. E. Mack, did this very admirably. He held the animal long enough to get all the crowd was willing to pay for her, but not so long as to discourage lively bids on the next.

The following is a list of the buyers with the names and price of the animals purchased:

H. Anthus.
Lady Clothilde Brouwer..... $180
Dulcina Mercedes Pietertje.... 300
Susan Aaggie Posch..... 180
Countess Imperial Daughter.... 200
Hamel Mercedes Pietertje..... 180
James Wilson.
Zeffie Mooney..... $200
Dirkje 4th..... 510
Hendrika Girl DeKol..... 275
Hamel Mercedes DeKol..... 300
Fannie L. DeKol..... 360
Bessie Queen 2d..... 225
Grace Fayne Josephine 2d..... 325
Ideal DeKol Wit..... 200
Queen Juliana Dirkje..... 360
Jess Baker DeKol..... 225
Pearl Mercedes Pietertje..... 450
Daughter of No. 35..... 160
C. A. Sharpf.
Lady Piebe DeKol Pietertje.... $175
Veeman DeKol Leaflet..... 175
Sis Flora Thorn..... 180
Dirkje Vale..... 270
——— $70
J. H. Brennan.
Pearl Gerben Clothilde..... $255
Lady Baker Clothilde..... 210
Julia Mercedes Pietertje..... 200
Maud Hicks..... 230
John Schultz.
Daughter of No. 34..... $150
Johanna Vale Posch DeKol.... 40
Hamel Vale..... 50
Susie Vale..... 95
Countess Imperial Wayne..... 165
Johanna Rue Burke Sarcastic.. 430
John Gates.
Fannie Vale DeKol..... $125
Lady Piebe Jane DeKol..... 130
Daisy Piebe Pietertje..... 130
Dulcina Vale Mercedes..... 140
R. Kamminga.
Birchdale DeNatsey DeKol.... $110
Eleanor Lydia Pietertje..... 180
Johanna DeKol Jess..... 135
Wm. Brockhaus.
Julia McNetherland Mercedes.. $200
Julia Vale Posch..... 85
W. Kutz.
West Point Empress DeKol.... $200
Mercedes Empress DeKol Elbaje 160
S. A. Baird & Son.
Iola Piebe DeKol..... $205
Ramona Vale DeKol..... 125
Cornelius Ver Hoef.
——— $70
——— 40
B. Anthus.
Pietertje Netherland DeKol May $205
V. Verhoef.
Nell Eliza DeKol Scholton.... $195
A. Engebretson.
Vale Pietertje..... $55
Fred Wollf.
Vale Mercedes Wit..... $55
John Ottmeyer.
Vale Fayne..... $40
Mr. Kindlin.
Bessie Mercedes Vale..... $90
Tom Tessen.
Mercedes Empress DeKol Elbaje 2d..... $55
John Hetts.
Fannie Vale Mercedes..... $300
B. Hake.
——— $72
H. L. Heiles.
Clothilde DeKol Count..... $140

—As Reported in Hoard's Dairyman.

TESTS CONDUCTED BY THE DEPT. OF ANIMAL HUSBANDRY, C. U., FROM JAN. 1 TO 31, 1909, INC.

Compiled by C. H. VanAuken, Asst.

Holstein-Friesian cows under 2 years 8
Under 3 years 28
Under 4 years 38
Under 5 years 24
5 years and over 42
Total 7 day records 140

Besides these were six 30-day records, seven 14-day, one 15-day, one 22-day and ten made at least 8 months after calving. Number of owners, 46.

There were also six 7-day records made of Jersey cattle for three owners.

In addition to these semi-yearly tests of 15 cows are being conducted each month. Besides the Holstein-Friesian tests each month supervisors test 83 Jerseys, 78 Guernseys, 15 Ayrshires.

Holstein-Friesian Tests Now Being Conducted, Feb. 18, 1909.

W. B. Smith, O. J. Godfrey, Pennellville; W. H. VanDine, O. U. Kellogg, Cortland; E. W. Brown, E. H. Knapp, Fabius; E. B. Anderson, E. E. Cady, Fabius; C. F. Mason, John Arfmann, Middletown; W. C. Truckell, A. L. Brockway, Auburn; C. D. Gaylord, J. W. Dimick, Rifton; F. A. Chase, S. R. Clark, Onondaga Valley; W. E. Thompson, C. M. Crouse, Syracuse; J. W. Evans, H. B. Davis, Chester; I. N. Scott, C. H. Fitch & Son, Burlington Flats; H. C. Collins, Freeborn Bros., New Woodstock; J. H. Burke, W. H. Grennell, Pierpont Manor; F. E. B[illegible]ley, A. A. Hartshorn, Hamilton; J. [illegible]. Hoon, J. M. Howard, Sherburne; C. B. Dunlop, W. C. Hunt, Fayetteville; W. H. Lyon, A. A. Knapp, Cortland; W. I. Fisher, R. P. Kutschback, Sherburne; R. B. Paige. C. W. Loomis, Ogdensburg; E. D. Reid, Q. McAdam, Utica; E. A. Overton, W. A. Matteson, Utica; J. W. Wellman, F. C. Overton, Adams; F. H. Ryan, E. A. Powell, Syracuse; A. C. Spencer, W. D. Robens, Cold Brook; E. W. Cleeves, Wing R. Smith, Syracuse; H. W. Meredith, J. A. Stanton, New Woodstock; E. [illegible] Baker, Stevens Bros. H. Co., Liverpool; H. N. Lathrop, Stevens Bros. & Clement, Lacona; R. F. Vrooman, H. Stevens & Son, Lacona; C. W. Newell, H. C. Swartout, Hortwick Seminary; C. M. Hall H. H. Waite, Adams.

TRANSPORTING LIVE FISH LONG DISTANCES IN GERMANY.

The desirability of providing cheaper means of transporting Saxon carp to distant points reached by fluvial routes has led to the introduction of ingeniously devised river craft for the purpose. They consist of scows 65 feet long and 16 feet wide. The interior is divided by partitions into thirty compartments. In the bottom and sides of a scow, as well as in the inner partitions, cracks are left open, so that when floating in a river there is a continual circulation of fresh water. The buoyancy of the wood composing the craft allows the upper portion to project above the surface of the water, and to sustain a small cabin for a crew. These scows are fastened together in pairs floating down the river Elbe to Hamburg, and being towed up stream to Saxony by steam tugs. Such a pair of scows conveys a cargo of forty metric tons (44.1) short tons) of living carp at but a fraction of the expense involved in transportation by rail, as it costs but a trifle to transfer the fish from the great carp ponds.

FOR SALE—HOLSTEIN BULL CALVES

Sired by LORD NETHERLAND DE KOL, BARON NETHERLAND DE KOL and LORD NETHERLAND COUNT DE KOL a reasonable prices. Correspondence solicited. Photograph of calf furnished if desired.

SAMUEL J. TILDEN, Proprietor
BURNE-MEADE FARM **NEW LEBANON, N. Y.**

Nothing to Sell Bull Calves All Sold

But remember, our service bull is Earl Korndyke DeKol No. 24954, a son of Belle Korndyke. He is sire of 13 A. R. O. daughters. 4 of them have semi-official yearly records of over 412 lbs. fat on farmers' care, and two milkings per day. He is sire of 40 young heifers under milking age. We expect to tell you about some of them when they freshen.

We are live breeders and making records. Will book your orders.

ISAAC DALRYMPLE, - Otselic, N. Y., or Preston, N. Y.

CAR LOAD ORDER

WANTED! Twelve large Holstein-Friesian registered cows of popular breeding, same to be shipped in April and must be healthy and tuberculin tested by owner at time of shipment. Give name, age, registration number and price of each cow. Also name and registration number sire and dam of each cow. No old or worn out stock or offerings for part of this order will be considered.

Julius Lindstedt - Manitowoc, Wisconsin.

Native Hollander wants the charge of 25-35 head of Holstein-Friesian cattle. Extra good milker, and careful feeder and care-taker of young stock. References.

Address J. G., care Holstein-Friesian World.

SUNRISE HERD

offers a grandson of King Segis and Lord Netherland DeKol for $50. Registered, transferred and crated F. O. B. With a three month's old heifer calf, $100.

RALPH CORBIN, Bainbridge, N. Y.

BULLS OF HIGH DEGREE

While you are looking for a bull to head your herd why not give a passing glance at the LAKELAND HERD, the headquarters of the descendants of PIETERTJE HENGERVELD'S COUNT DE KOL, the greatest of them all for he is the sire of two 30 pound daughters, has 26 with records of over 20 lbs. and SEVENTY-3 or MORE in all that have official tests.

I have other well bred things to offer of different breeding. Get my pedigrees and prices on BULLS before you buy or you will miss it, for I have a grand lot both in individuality and breeding.

Write to me or come and see the herd for yourself.

WING R. SMITH, - Wieting Block, Syracuse, N. Y.

Breed the Right Kind

If you have been annoyed by getting black calves or white calves, which will not sell, your remedy is to get a bull of the "Lakeside Model Family" and breed uniformly the markings, form, quality, production and per cent. fat that every breeder is looking for.

E. A. POWELL. 904 W. Genesee St., SYRACUSE, N. Y.

$50 Frontier Herd $50

A bargain in a yearling bull, Johanna Keyes, No. 51746, born May 17, 1907. This bull is from some of the best families of the breed and is ready for heavy service. Price $50.

$50 $50

F. W. AMES, - Morristown, St. Lawrence Co., N. Y.

"Maximum Bull Calves at Minimum Prices."

Write for my list of bargains giving breeding, records and cost to you.

W. W. Cheney, Manlius, N. Y.

Old Home A. R. O. Holstein-Friesians

10 Heifers and Young Cows, A. R. O. stock. Also Young Bulls and Bull Calves sired by Korndyke Prince Grace De Kol 32655 and Dan Patch Hark 37807.

E. S. ROBINSON, FORESTVILLE, N. Y.

United Breeders' Association

represents over ten herds of registered and high-grade Holstein-Friesian Cattle.

They can furnish you bulls ready for service, cows, heifers and calves at farmers' prices.

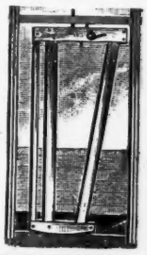
Write stating wants. Address all communications to

G. M. LYON, Sec., Wyalusing, Pa.

BULL FOR SALE AT A BARGAIN.

Hengerveld De Kol Lee, born March 25, 1908. Sire Woodcrest Nig De Kol, by Hengerveld De Kol, sire of 83 A. R. O. daughters and out of Allie Nig, with a record of 25.49 lbs. of butter in 7 days. Dam of calf Agatha Lee De Kol, with 16.13 lbs. of butter in 7 days at 3 years.

DAVIS BROS., Fulton, N. Y.



EXCELSIOR

Swing Stanchion

Warranted the Best

30 Days Trial

Stationary when open. Noiseless, Simple, Sanitary, Durable. Thousands in use Stand the Test.

The Wasson Stanchion Co.
Box 20, Cuba, N. Y.

RIVERSIDE HERD

offers a fine bull born March 13th, 1908. Sire, Pontiac DeKol Hengerveld, he by Hengerveld DeKol, 82 A. R. O. daughters, Dam by Aaggie Cornucopia Johanna Lad 36 A. R. O. daughters. Granddam by Paul Beets DeKol, 88 A. R. O. daughters. Write for pedigree to

A. W. BROWN. W. Winfield N. Y.,

NOTICE TO HOLSTEIN BREEDERS

Owing to the demand for Bull Calves from "THE FAMOUS $10,000 MILK AND BUTTER KING," the undersigned will receive orders for males for conditional future delivery, bred from a selected list of pedigreed dams, that will be submitted with prices.

Address

The David Harum Stock Farm, Homer, N. Y. and Oakhurst Farm, Auburn, N. Y.

Hillcrest Butter-Bred Holsteins

A Few Choice Cows and Bred Heifers at Attractive Prices. Send for bull calf catalogue.

BERRY LUCAS
Greenwood, Mo.

CRUMB'S IMPROVED WARRINER STANCHION

T. A. Mitchell, Weedsport, N.Y. writes: "Your stanchions are all right. I am very much pleased with them."

W. B. CRUMB, Brown Street, Forestville, Conn.

Must Sell At Once

Entire herd of 12 cows, fresh or soon due. Several have A. R. O. records. A yearling granddaughter of Aaggie Topsy DeKol 29.57 lbs. A granddaughter of Maud Mutual DeKol 31.32. lbs. Also grandson of same. Cow 1 year old and 1 heifer 1 week old—Cheap for cash.

E. W. Fuggle, Manlius, N. Y., R. R. No. 2

SPECIAL NOTICE Our cows are now just beginning to freshen, and we expect to test and retest them as fast as they are in condition. We *shall sell* all our bull calves, a few heifer calves and 25 A. R. O. cows. Our aim is to make our prices correspond with cattle selected. We invite inspection.

LOCUST HEDGE STOCK FARM
KIRKVILLE, N. Y.

FAIRVIEW FARMS

HOME OF

PONTIAC KORNDYKE, No. 5982

sire of five daughters, four of them still in this herd, that have seven day records that average 28¾ pounds butter each, and every one of them average better than 4 per cent fat. He is the sire of four daughters, three of them still in this herd, and only one a mature cow, that have seven day butter records that average 29¼ pounds each and 4.4 per cent fat. No other bull of the breed can equal this. We have about 60 of his daughters in our herd.

Why not select a son of this great sire to head your herd and increase the per cent of fat in your milk. Pontiac Korndyke, is transmitting that high per cent of fat with a degree of certainty rarely equaled in a bull of this breed. We have a lot of his sons for sale from two weeks to ten months old. Some that have 75 per cent same blood as their sire. If you are in the market for a bull let us send you their breeding. Come and look the herd over.

E. H. DOLLAR, - - - - - Heuvelton, St. Lawrence-Co., N. Y.

Show Bull For Sale

Age 4 Years—A Grand Individual

FREE FREE FREE

To any one purchasing $1,000.00 worth of stock from Maple Lawn Herd, during the next 30 days, I will give a son of our great Karel Korndyke, individually the greatest living son of Belle Korndyke.

Lawrence L. Grow

Fort Jackson, St. Lawrence Co., New York

HIGHLAND HERD

A bull calf born December 8, 1908. Dam has record of 20.65 lb. and is sister to Aaggie Topsy DeKol (29.57). His sire is the only son of Betta Lyons Netherland 34.07. Her dam, Blanche Lyons Netherland 27.60, making a higher average than any mother and daughter of the breed. Price $200.

W. A. Carr, Tully, N. Y.

EDGELAKE FARM

Offers for sale a few choice yearling bulls and heifers and calves of both sexes, the product of tuberculin tested herd of registered Holsteins of high records and good breeding.

B.W. POTTER & SON, Rutland, Mass.

HILLSIDE STOCK FARM

Offers at a bargain Registered Holstein-Frieslan cow; fresh, bull calf by her side, sired by one of the greatest sires of the breed. She is large, handsome, a good handler and a large producer. Also my service bull Sailor Boy Artis No. 46919 born March 9th 1906. two-thirds white. No use for him—will sell him at a bargain.

STANTON OSTERHOUT. Cobleskill, N. Y.

WELL DRILLING Machines

Over 70 sizes and styles, for drilling either deep or shallow wells in any kind of soil or rock. Mounted on wheels or on sills. With engines or horse powers. Strong, simple and durable. Any mechanic can operate them easily. Send for catalog.

WILLIAMS BROS., Ithaca, N. Y.

THE STANLEY PHOTO CO.

Photo-Engravers, Zinc Etchers, Designers.

Half tones, 3x4, at the low price of $1.50. Cuts that will run. Reference, this paper. Satisfaction guaranteed.

207-209 E. Buffalo St., Ithaca, N. Y.

Woodcrest Farm Herd of Holstein-Friesians

SIRES IN SERVICE

Homestead Girl De Kol's Sarcastic Lad, No. 32558; dam Homestead Girl De Kol, A. R. O. record, 26.29 lbs. butter in seven days, her milk averaging 3.94 per cent fat

Pietje 22nd's Woodcrest Lad, No. 39649. The dam of this bull is the great imported cow Pietje 22nd, No. 70884; seven day record, 673.9 lbs. milk, 31.62 lbs. butter; 30 day record, 2786.4 lbs. milk, 128.38 lbs. butter; one hundred and twenty days, 9291.5 lbs. milk, 395.38 lbs. butter. Six months record, 13,673.9 lbs. milk, 566.60 lbs. butter.

We have for sale, a few choice bull calves and young bulls ready for service, from A. R. O. dams with records of twenty pounds and better.

A. S. CHASE, Manager

Ulster Co. RIFTON, N. Y.

FOR SALE

A FINE TRIO

Two heifers, two years past, in milk; a fine bull, 16 months, with 20-lb. dam and 25-lb. sire's dam. No better in the State.

JOHN J. WEIR,

The Reliable Holstein Breeder of Ohio,

Box 43, - - - Westerville, O.

HIGHLAWN FARM

AUBURN, MASS.

Breeder of High-Class Holstein-Friesian Cattle

For catalogue and prices address

F. P. KNOWLES, Auburn, Mass.

A. WASSENAAR

Jelsum, Friesland, Holland

Breeder of First Class Holstein-Friesian Cattle.

Water in the Stable a Necessity

THE "Buckley" Device

for watering stock is the leader. Why not use the best? Write to the manufacturers for a descriptive circular.

POUGHKEEPSIE FOUNDRY & MACHINE CO.

POUGHKEEPSIE, N. Y.

RATHER THAN HAVE AN

AUCTION

We will cut the price for immediate acceptance. Fashionably bred large producing cows bred to our great Sir Korndyke Manor DeKol, Jr. Male calves at farmers' prices to close out.

RIVENBURGH BROS.

Hillhurst Farm - Oneida, N. Y.

CROWN HERD

I now offer a very fine bull calf, five months old, more black than white, nicely marked, and a good handler in every way. His dam has an A. R. O. record of 16.02 lbs. butter made at 9 years. She is now 15 years old. Has given over 4,800 lbs. of milk in 4 months. Calf's sire, Homestead Hengerveld Crown De Kol, No. 26345.

I. J. FOSTER - - - Cortland, N. Y.